

# Does Elon Musk’s tweets influence Bitcoin market value? : A sentiment analysis approach

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## Abstract

When Elon Musk speaks, bitcoin investors listen. The Tesla chief executive’s often-cryptic messages have sent bitcoin’s price on a roller-coaster during past years. Prices soared nearly 20% one January morning when he added “#bitcoin” to his Twitter biography. They jumped 16% in a single day the following month after Tesla Inc. revealed it bought \$1.5 billion worth of the cryptocurrency. We present a textual analysis that explains how Elon Musk’s sentiments in his Twitter content correlates with price and volatility in the Bitcoin market using sentiment analysis and Augmented Dickey–Fuller (ADF) t-statistic test, allowing us to understand the (non-)stationarity of the bitcoin trends. After examining 4787 tweets containing 68676 words, posted from December 2011 to January 2021, and rigorously controlling other determinants, we found that the tone of the world’s wealthiest person can drive the Bitcoin market. In addition, Musk is likely to use positive words in his tweets, with great “trust” and “anticipation” as the most frequent sentiments expressed. However, we did not find evidence to support linkage between Musk’s sentiments and Bitcoin volatility.

## Literature review

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## Introduction

On January 29, 2021, Elon Musk, at that time the richest person in the world (Klebnikov, 2021), unexpectedly changed the bio of his Twitter account to #bitcoin. The price of Bitcoin rose from about 32,000\$ to over 38,000\$ in a matter of hours, increasing the asset’s market capitalization by 111 billion \$. The relevance of Musk’s tweets for financial markets has already become apparent in other contexts. Musk’s endorsement of the encrypted messaging service Signal (Musk, 2021a) led to investors purchasing the unrelated Signal Advance stock, increasing the latter’s market valuation from 55\$ million to over 3\$ billion (DeCambre, 2021). These events clearly show the impact that leadership in social networks can have on financial markets and the decision-making behavior of (individual) investors. While the market may read Musk’s tweets on Tesla as “true news,” his tweets regarding cryptocurrency reflect moods or personal sentiment, which have been shown to influence financial market pricing (Bollen et al., 2011; Gabrovec et al., 2017; Schumaker and Chen, 2009). Musk declared that Bitcoin is “on the threshold of gaining broad acceptability” in a talk on social media site Clubhouse, and admitted that he is “late to the party but[...] a fan of Bitcoin.” He also said in the event that his tweets about the cryptocurrency Dogecoin are just jokes (Krishnan et al., 2021). This is consistent with Musk’s tweet from May 2020, in which he stated that he “only own[ed] 0.25 Bitcoins” (Musk, 2020). Tesla, on the other hand, spent \$1.5 billion in Bitcoin between January and March 2021 (US Securities and Exchange Commission, 2021), implying that the Bitcoin-related tweets were more than “just

jokes.” Musk’s tweets appear to effect the cryptocurrency market, regardless of whether they are meant in fun or in earnest, which is our incentive to look into the topic further and analyse its consequences. While Musk is far from the only public figure to speak out on social media regarding cryptocurrency or financial markets, he is undoubtedly one of the most influential. In strategic contacts between prominent individuals such as managers, journalists, or financial analysts and stakeholder groups, social media plays a key role (Heavey et al., 2020; Pfarrer et al., 2010). By communicating directly with customers (Alghawi et al., 2014), controlling the timing of disclosure (Jung et al., 2017), or establishing trust with investors or communities, these individuals can use their social networks to shape their own reputation and identity, or that of a related company (Deephhouse, 2000; Zavyalova et al., 2012). (Elliott et al., 2018; Grant et al., 2018). Strategic leaders’ social media activities, on the other hand, can generate a lot of ambiguity. For example, it may be difficult to tell whether a message is simply expressing a mood or conveying specific company-related information. It could be hard to ascertain whether a message is merely expressing a mood or conveying specific company-related information. Furthermore, stakeholders may be overwhelmed with irrelevant information that diverts their attention away from the main concerns (Huang and Yeo, 2018). A person’s or a company’s reputation might be harmed as a result of critical behaviour. Because of the extremely quickly nature of social media, any such harm can occur in an instant (Wang et al., 2019). Several research have looked into the relationship between cryptocurrency markets and social media activity, particularly on Twitter. Short-term Bitcoin liquidity is increased by an increase in the number of Bitcoin-related tweets (Choi, 2020), the number of Bitcoin-related tweets can explain Bitcoin trading volume and returns (Philippas et al., 2019; Shen et al., 2019), and Twitter sentiment can predict cryptocurrency returns (Philippas et al., 2019). (Kraaijeveld and De Smedt, 2020; Naeem et al., 2020; Steinert and Herff, 2018). According to Mai et al. (2018), social media users with less prior cryptocurrency-related involvement drive cryptocurrency effects, which makes sense because their actions are uncommon or unexpected. If Elon Musk tweeted about cryptocurrencies multiple times a day, the market would most certainly treat it as noise. While several studies have looked into the impact of individual tweets on stock market returns (Brans and Scholtens, 2020; Ge et al., 2019—both relating to stock market-related tweets by Donald Trump), to our knowledge, very few researchers have examined into the impact of individual tweets on cryptocurrency returns and trading volume.

This research seeks to determine how one of the world’s most powerful persons’ social media activities affects cryptocurrency price levels. We take Elon Musk’s cryptocurrency-related tweets and categorise them as unanticipated happenings. It is conceivable to evaluate the amount of any effect Musk’s tweets had on the market by comparing past cryptocurrency market data to data surrounding these occurrences. The research looks at how leadership, engagement, and information via social media, particularly Twitter, influence investor attention and behaviour in cryptocurrency markets. Of course, Elon Musk is an outlier, which is why our approach might almost be termed a case study. In an ideal world, the findings and implications could be applied to other people and markets, allowing us to better understand the likelihood of social media personalities influencing cryptocurrency markets and whether or not this is a problem.

## Conceptual background: Financial market efficiency

“Prices fully represent all available information,” according to the efficient market hypothesis (EMH) (Fama, 1970). The price of an item is determined by the intersection of a supply and demand curve, which satisfies both consumers (such as Bitcoin investors) and producers (e.g. Bitcoin miners). As additional relevant information becomes available, the curves adjust. A tweet from Elon Musk could be considered such new knowledge, and is priced appropriately if it is deemed important. However, the EMH’s validity has been questioned because it is primarily reliant on market players’ preferences and conduct. The adaptive markets hypothesis (AMH), a variant of the EMH, claims that the degree to which information is represented in prices is determined by market conditions as well as the quantity and characteristics of market participants: market efficiency is context-dependent. The quality of the information provided is a critical part of the impact of individuals on financial markets. According to signalling theory, an actor can employ high-quality signals to reduce market information uncertainty (Spence, 1973). While such signals are typically used in an agent’s own interest, such as when applying for a job (Spence, 1973) or seeking entrepreneurial financing (Ante et al., 2018), it appears possible that a tweet from a very influential or reputable person is interpreted by a

significant number of market participants as a signal of the quality of the object of the tweet, even without an ulterior motive or even unintentionally. Every tweet is motivated by something, even if it's just a passing mood. In this situation, having faith in the signal and its quality is critical. A signal must usually be coupled with direct or indirect expenses in order to be trustworthy or credible (Connelly et al., 2011). The costs in the instance of Elon Musk's tweets are indirect, and they include the potential damage to his reputation as a technological innovator and successful entrepreneur (i.e. his influencer status) or the reputation of the companies with which he is connected (Wang et al., 2019). There's also the possibility of counter-signaling, in which other agents broadcast contradictory or critical messages. If the market discovers, for example, that Musk's tweets are noise rather than quality signals, it should disregard the information as unimportant.

## Research questions

We raise the following research questions to address the issue of efficiency in cryptocurrency markets and the attention their participants devote to influencers since Elon Musk and other influential individuals are likely to continue publicly commenting on cryptocurrency for the foreseeable future.

*RQ1: DO Elon Musk's cryptocurrency-related tweets sentiments have an effect on the pricing and trading volume of cryptocurrency?*

The answer to this issue can reveal whether tweets can be considered quality signals in general or whether the market effects seen were purely coincidental. Second, the AMH predicts that a cryptocurrency that is less efficient or liquid will be more affected by Musk's tweets.

*RQ2: Do sentiments and polarity of Musk's cryptocurrency-related tweets differs by considering different time-frames?*

By answering these two study questions, we will be able to measure and better understand the impact of social media influencers on cryptocurrency markets, as well as draw some implications about how to interpret future events. Market participants will be able to better assess the significance of Musk's tweets and possibly other (social media) influencers in this way. Furthermore, the findings may contribute to broader study on the function of social media leaders in influencing investor behaviour, determining the quality of influencer content in the context of signalling theory, and determining influencer relevance for financial market efficiency.

## Data and methods

### Popularity analysis

The analysis is based on tweets by Elon Musk (twitter.com/elonmusk) between Jan 2011 to 2022. A data extraction has been conducted via python since some of its functions were more suitable for our purposes. The code used can be seen in the **Annex** section. Our dataframe resulted in total of 4787 tweets containing 68676 words over a time-span of 10 years. As stated in the previous section, popularity and influence are critical factors to be assessed from market participants in order to assign a certain degree of reliability to the information they receive. That's why a first investigation has been conducted in this direction. Elon Musk's influence has been skyrocketing throughout the years, mainly due to the achievements linked to his companies (namely Space X and Tesla) proving wrong many opponents who considered his goals too ambitious to be reached. On top of his professional achievements, his uncommon behavior, his funny character and his inspiring vision and leadership made his influence to grow systematically. We used three proxies to quantify his popularity: namely, the *numbers of likes*, *number of replies* and *number of retweets* on Musk's tweets. These variables has been grouped by year in order to identify the trend clearly. As expected, his popularity has gained momentum especially after 2016, when Tesla Model 3 was launched, some companies were renovated and gained momentum (i.e. SolarCity embedded in Tesla itself) and others were founded (i.e. Neuralink).

## Bitcoin-related tweets

In a second step, a subset of the total population of tweets was made, in order to extract only tweets containing the word *bitcoin* and *crypto* so to direct our focus to Musk's influence on cryptomarkets Bitcoin-related. Exploiting the embedded time-stamp of these peculiar type of tweets, it could be possible to visualize in time when his tweets (events of interest) were located in respect to the Bitcoin market capitalization trend. At first sight, considerable variations can be highlighted after these events and further considerations will be found in the **Result** section.

## Sentiment Analysis

Once obtained these data, they represented the input for our models: Sentiment Analysis and Polarization analysis were conducted, supported by wordclouds (in order to determine which were the most tweeted words). Through score assignment it has been possible to detect which were the most frequent sentiments in Musks's tweets, as well as the duration of these emotions. The results obtained through this first model helped us to understand the gradient of emotions provoked by Tesla CEO's tweets and therefore assessing those as drivers to his popularity and eventually his influence on cryptomarkets.

## Testing for stationarity

Finally, we wanted to investigate the presence of linkages between Elon Musk's sentiment and Bitcoin volatility: which means testing for stationarity. First of all, it is utmost important to determine how the series is behaving before applying any model to it: an Augmented Dicky Fuller test was used to evaluate how strongly a time series is defined by a trend. Results showed

## Hypothesis

*Null Hypothesis (H0)* : Null hypothesis of the test is that the time series can be represented by a unit root that is not stationary. *Alternative Hypothesis (H1)*: Alternative Hypothesis of the test is that the time series is stationary.

## Why is Stationarity Important?

Stationarity can be defined in precise mathematical terms, but for our purpose we mean a flat looking series, without trend, constant variance over time, a constant autocorrelation structure over time and no periodic fluctuations (seasonality). For data to be stationary, the statistical properties of a system do not change over time. This does not mean that the values for each data point have to be the same, but the overall behavior of the data should remain constant. If the data is non-stationary (meaning it has a trend), we need to remove it in order to proceed with the analysis. Various techniques can be used to solve the issue of non-stationarity: after some attempts, the most succesful one has been to rely on the *log difference* of time values in Bitcoin price.

[da concludere]

## Results

### Elon Musk's influence

As can be seen in the summary table below, Elon Musk's influnece has grown widely over the years. In 10 years, **number of replies** per tweet has grown up to more than 3 million, **number of retweets** up to more than 4 million and **number of likes** up to the astonishing numbers of more than 50 million. As of December 31st 2021, Elon Musk's follower amounted to 71.5 mln, which means a very high coverage of 72, 2.

```
## Loading required package: dplyr

##
## Attaching package: 'dplyr'

## The following objects are masked from 'package:stats':
##
##   filter, lag

## The following objects are masked from 'package:base':
##
##   intersect, setdiff, setequal, union

## Loading required package: tidyverse

## -- Attaching packages ----- tidyverse 1.3.1 --

## v ggplot2 3.3.5      v purrr 0.3.4
## v tibble 3.1.6       v stringr 1.4.0
## v tidyr 1.2.0        v forcats 0.5.1
## v readr 2.1.2

## -- Conflicts ----- tidyverse_conflicts() --
## x dplyr::filter() masks stats::filter()
## x dplyr::lag()     masks stats::lag()
```

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## Loading required package: readxl
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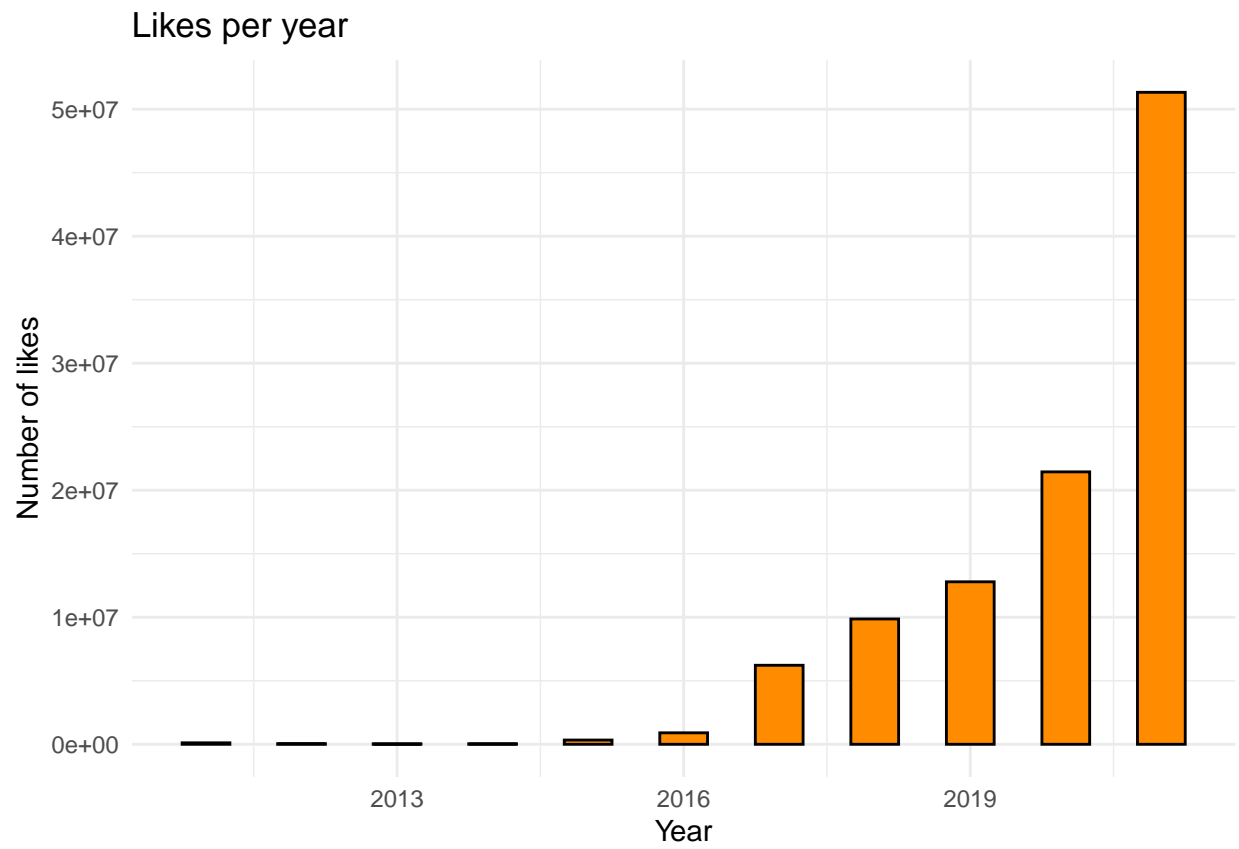
We can visually understand the exponential trend in the growing popularity of Tesla CEO's. It comes as no surprise that when *"Elon Musk speaks, investors listen"*. His influence derives from his large audience, prone to process the majority of the information coming from him as good quality information, influencing their (financial) decision-making process.

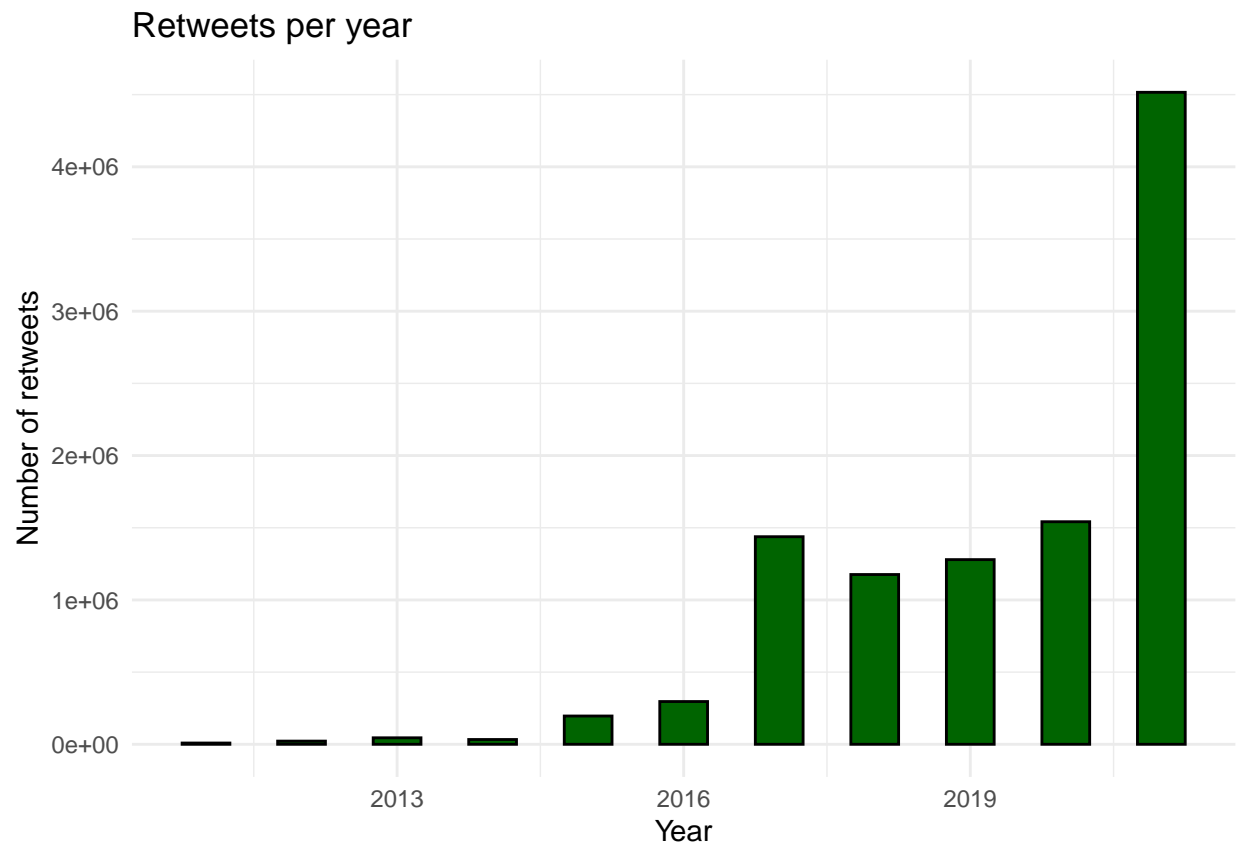
```
## Loading required package: hrbrthemes
```

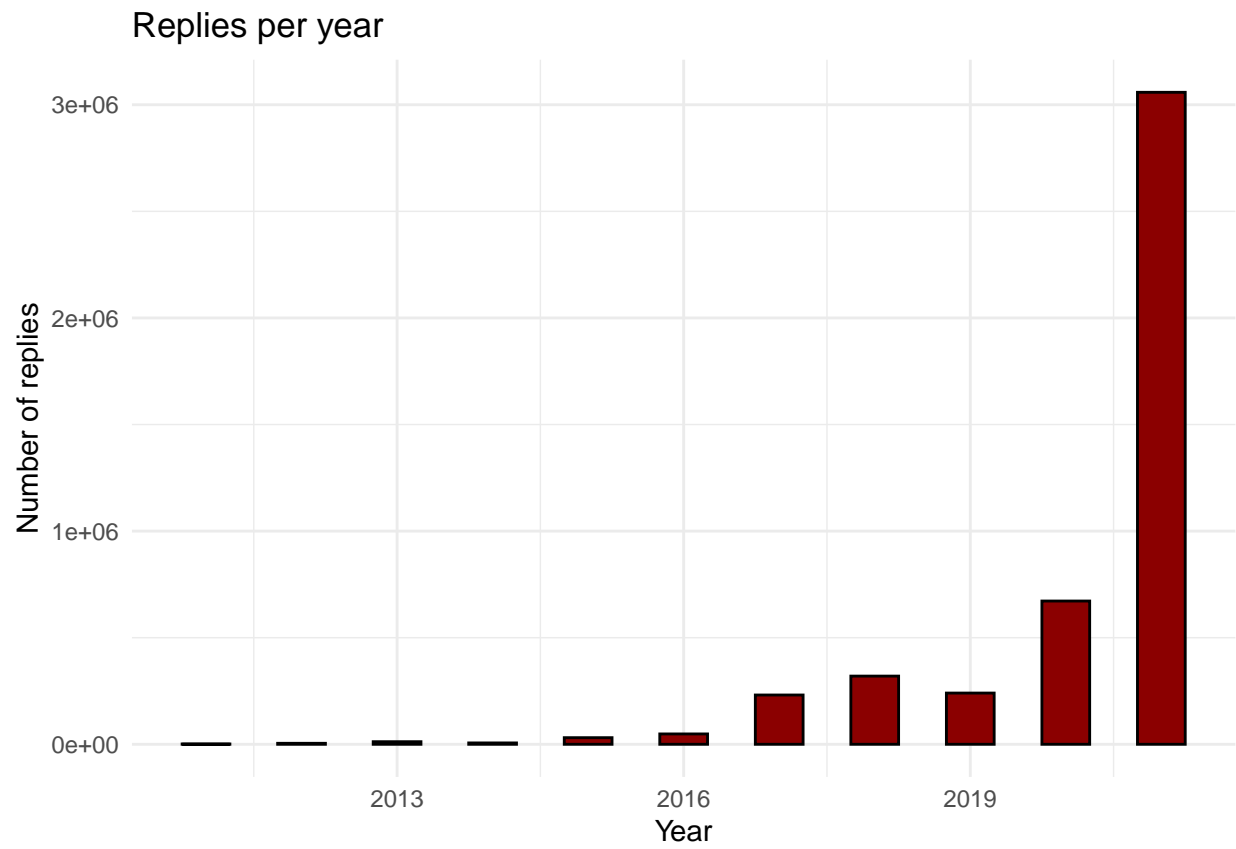
```
## NOTE: Either Arial Narrow or Roboto Condensed fonts are required to use these themes.
```

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##   Please use hrbrthemes::import_roboto_condensed() to install Roboto Condensed and
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##   if Arial Narrow is not on your system, please see https://bit.ly/arialnarrow
```



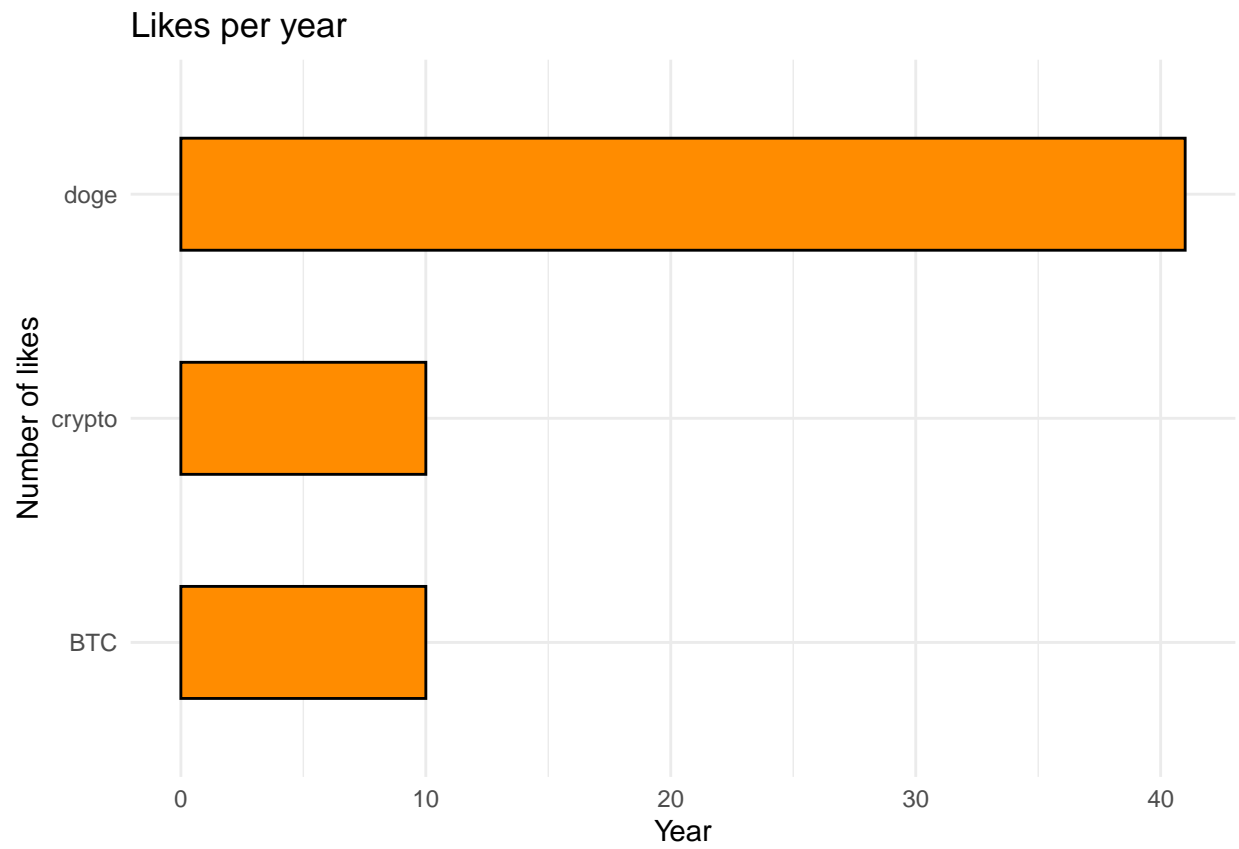


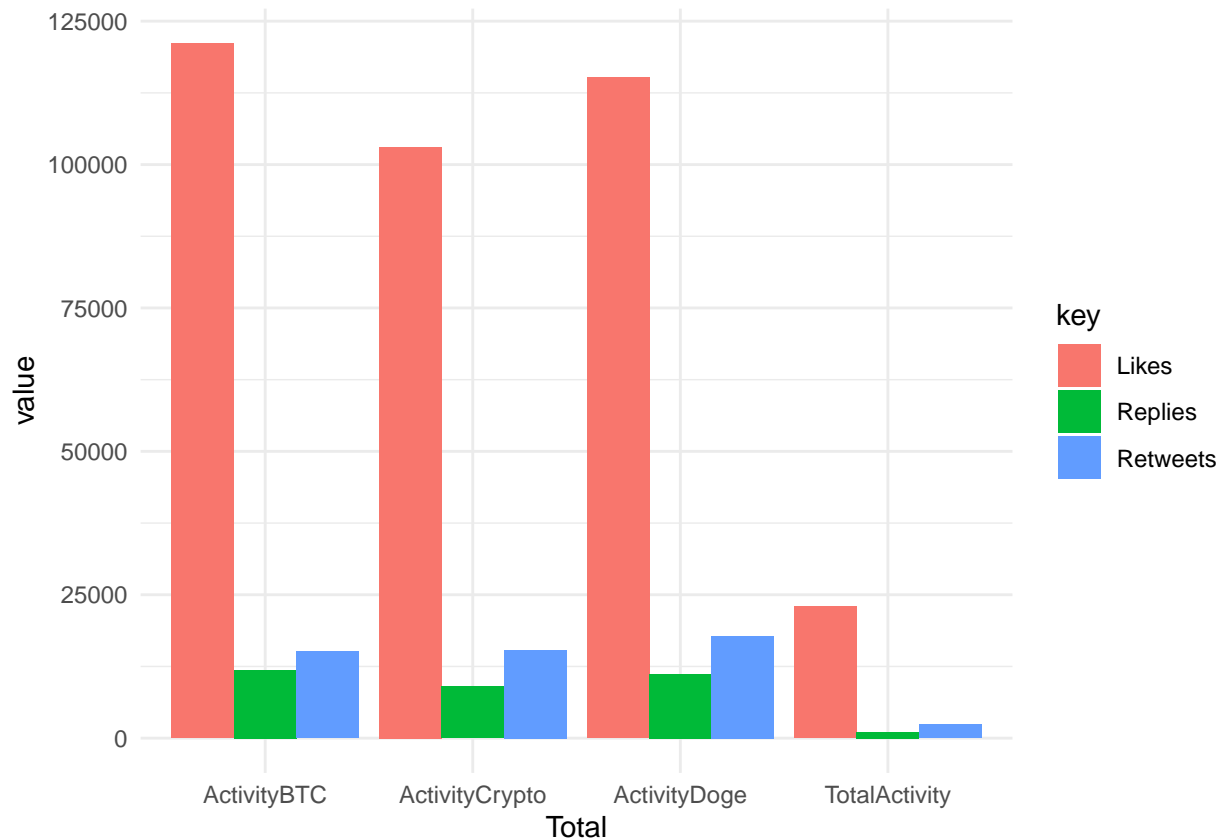


Activity of crypto-related tweets

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## [1] 3 1
```







Comment

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##
## Attaching package: 'lubridate'

## The following objects are masked from 'package:base':
##
##   date, intersect, setdiff, union

##

##
```

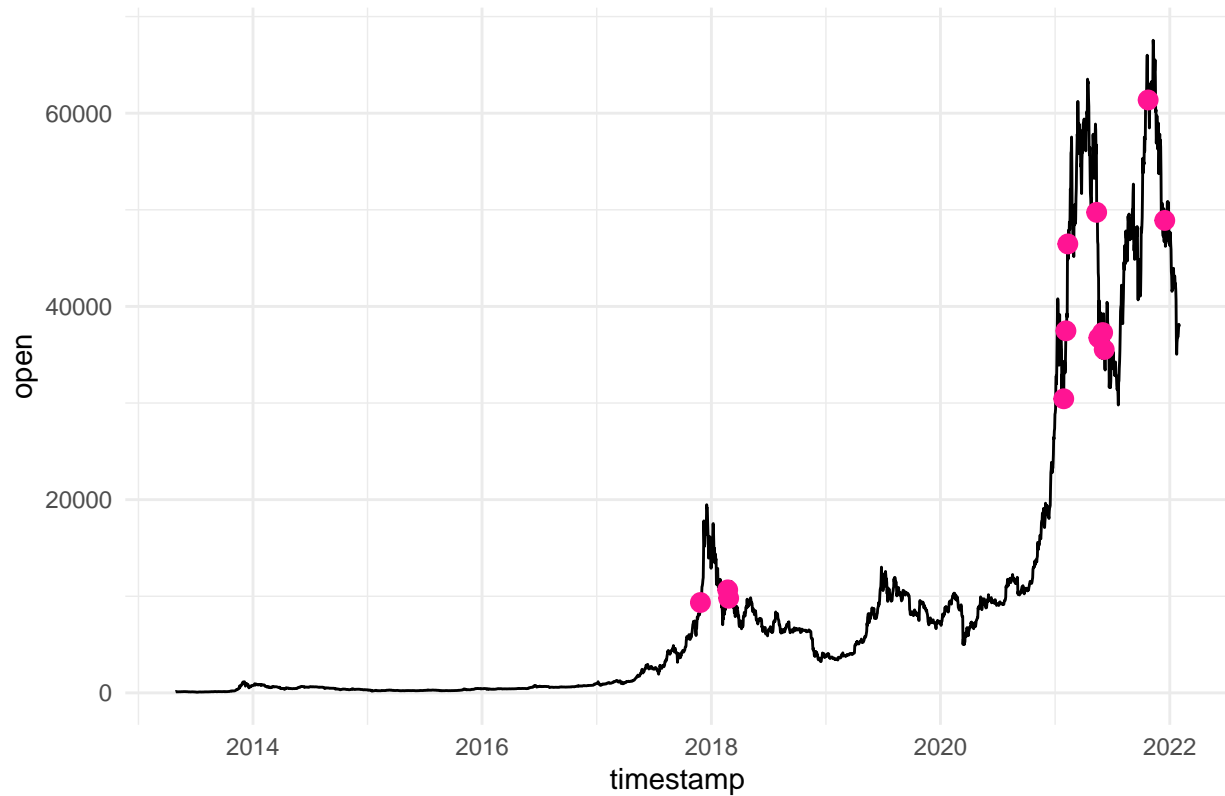
GRAFICO CHE CONTA QUANTITA DI TWEET CHE CONTENGONO DETERMINATE KEYWORD CRYPTO-RELATED E PERCENTUALE SUL TOTALE DEI TWEET

## When Elon Musks tweets, investors listen

Once quantified Elon Musk's influence, it is essential to understand the extent of this influence on the cryptomarket. Which is the width of Bitcoin price volatility once a crypto-related tweets is published? We managed to extract the tweets which only contained the words *bitcoin* and *crypto* and connected their time-stamp to the Bitcoin market capitalization trend. The pink points on the graphic represent the moment in time when a crypto-related tweet was published: there is clear evidence suggesting a relationship between the Bitcoin volatility and Musk's trend however, it is still unclear at this stage whether it's Elon Musk's

direct influence on Bitcoin price change or the other way round. It cannot be assessed a clear causality relationship. This issue will be further addressed in this paper.

### Elon Musk's Tweets and Bitcoin Volatility



### Sentiment Analysis

While the market may interpret Musk's tweets about Tesla as "accurate news", his tweets about cryptocurrency at least to some degree represent moods or personal sentiment. In this section we want to further analyze the nature of this sentiments, the most frequent words and the emotions associated to them.

```
## Loading required package: tm

## Loading required package: NLP

##
## Attaching package: 'NLP'

## The following object is masked from 'package:ggplot2':
##
##   annotate

## Warning in tm_map.SimpleCorpus(corpus, tolower): transformation drops documents

## Warning in tm_map.SimpleCorpus(corpus, removePunctuation): transformation drops
## documents
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```
## Warning in tm_map.SimpleCorpus(corpus, removeNumbers): transformation drops
## documents

## Warning in tm_map.SimpleCorpus(corpus, removeWords, stopwords("english")):
## transformation drops documents

## Warning in tm_map.SimpleCorpus(cleanset, content_transformer(removeURL)):
## transformation drops documents

## Warning in tm_map.SimpleCorpus(cleanset, stripWhitespace): transformation drops
## documents
```

The graphs below shows the most used word and their frequency. It appears that the three most used words are *amp*, *tesla* and *will*. It goes without saying that we expected **tesla** to be one of the most frequent word in Musk's tweet, and our interpretation of the word **will** lies in that this verb shows his strong willingness and decisive, goal-oriented character as well as his inclination towards the future sustained by visionary statements. It can be less clear why **amp** is among the most frequent word, therefore we opted for a further explanation.

##		Docs	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
##	Terms		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
##	actions		1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
##	bad		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
##	consequences		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
##	force		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
##	good		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
##	live		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
##	necessarily		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
##	reality		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
##	saying		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on ''s' in 'mbcsToSbcs': dot substituted for <e2>
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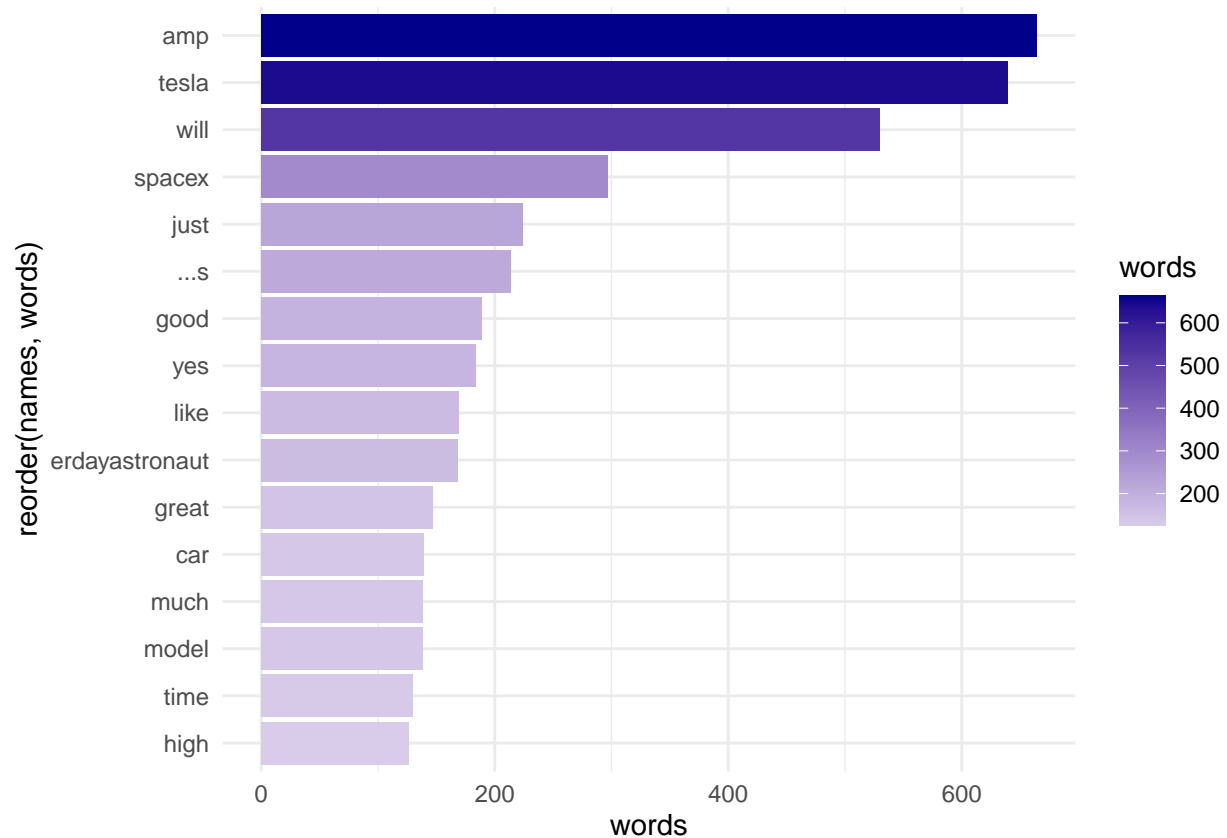
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## AMP

Amp is a universal collateral token designed to facilitate fast and efficient transfers for any real-world application. When using Amp as collateral, transfers of value are guaranteed and can settle instantly. While

the underlying asset reaches final settlement, a process that can take anywhere from seconds to days, Amp is held in escrow by a collateral manager. Once the transaction successfully settles, the Amp collateral is released and made available to collateralize another transfer. Amp exists to serve as universal collateral for anyone and any project. (Source [(https://docs.amptoken.org/)] ). Besides being a collateral for individuals and DeFi platforms, Amp is used as a collateral for payment networks: Flexa uses Amp to enable instant, fraud-free payments to merchants across its digital payment network. Apps that integrate Flexa stake Amp to ensure all payments can be settled in real-time regardless of the asset or protocol used. Since AMP Token was to be integrated with Tesla's payment rail for crypto, it is understandable why it's been one of the most tweeted words by Elon Musk, being this news shocking the crypto-lovers panorama and the future of Tesla. The news of Tesla about the willing to accept crypto as payments and the investment in over 1.5 BLN USD in Bitcoin (February 2021), made the price of Bitcoin to skyrocket. On the other hand, a plethora of enviromental activists opposed this decision due to the high levels of electric energy which are used to mine and sustain the crypto network and highlighted the controversial nature of the Tesla CEO's choice: this led Elon Musk to no longer accept payments in Bitcoin. The impact on the crypto-currency value has been devastating has shown in the following graphic showing once again, how much "investors listen to Elon Musk".



image:

Here follows a wordcloud which helped us to visualize the most frequent words in Elon Musk's tweets. The higher the word's size displayed, the most frequent the word would appear in his tweets.

```
## Warning in strwidth(words[i], cex = size[i], ...): conversion failure on ''s' in
## 'mbcsToSbcs': dot substituted for <e2>
```

```
## Warning in strwidth(words[i], cex = size[i], ...): conversion failure on ''s' in
## 'mbcsToSbcs': dot substituted for <80>
```

```
## Warning in strwidth(words[i], cex = size[i], ...): conversion failure on ''s' in
## 'mbcsToSbcs': dot substituted for <99>
```

```
## Warning in text.default(x1, y1, words[i], cex = size[i], offset = 0, srt =
## rotWord * : conversion failure on ''s' in 'mbcsToSbcs': dot substituted for <e2>
```



```

## Warning in text.default(x1, y1, words[i], cex = size[i], offset = 0, srt =
## rotWord * : conversion failure on ''s' in 'mbcsToSbcs': dot substituted for <80>

## Warning in text.default(x1, y1, words[i], cex = size[i], offset = 0, srt =
## rotWord * : conversion failure on ''s' in 'mbcsToSbcs': dot substituted for <99>

## Warning in text.default(x1, y1, words[i], cex = size[i], offset = 0, srt =
## rotWord * : font metrics unknown for Unicode character U+2019

## Warning in strwidth(words[i], cex = size[i], ...): conversion failure on '...' in
## 'mbcsToSbcs': dot substituted for <e2>

## Warning in strwidth(words[i], cex = size[i], ...): conversion failure on '...' in
## 'mbcsToSbcs': dot substituted for <80>

## Warning in strwidth(words[i], cex = size[i], ...): conversion failure on '...' in
## 'mbcsToSbcs': dot substituted for <a6>

## Warning in text.default(x1, y1, words[i], cex = size[i], offset = 0, srt =
## rotWord * : conversion failure on '...' in 'mbcsToSbcs': dot substituted for <e2>

## Warning in text.default(x1, y1, words[i], cex = size[i], offset = 0, srt =
## rotWord * : conversion failure on '...' in 'mbcsToSbcs': dot substituted for <80>

## Warning in text.default(x1, y1, words[i], cex = size[i], offset = 0, srt =
## rotWord * : conversion failure on '...' in 'mbcsToSbcs': dot substituted for <a6>

## Warning in text.default(x1, y1, words[i], cex = size[i], offset = 0, srt =
## rotWord * : font metrics unknown for Unicode character U+2026

## Warning in strwidth(words[i], cex = size[i], ...): conversion failure on ''re'
## in 'mbcsToSbcs': dot substituted for <e2>

## Warning in strwidth(words[i], cex = size[i], ...): conversion failure on ''re'
## in 'mbcsToSbcs': dot substituted for <80>

## Warning in strwidth(words[i], cex = size[i], ...): conversion failure on ''re'
## in 'mbcsToSbcs': dot substituted for <99>

## Warning in text.default(x1, y1, words[i], cex = size[i], offset = 0, srt =
## rotWord * : conversion failure on ''re' in 'mbcsToSbcs': dot substituted for
## <e2>

## Warning in text.default(x1, y1, words[i], cex = size[i], offset = 0, srt =
## rotWord * : conversion failure on ''re' in 'mbcsToSbcs': dot substituted for
## <80>

## Warning in text.default(x1, y1, words[i], cex = size[i], offset = 0, srt =
## rotWord * : conversion failure on ''re' in 'mbcsToSbcs': dot substituted for
## <99>

```

```

## Warning in text.default(x1, y1, words[i], cex = size[i], offset = 0, srt =
## rotWord * : font metrics unknown for Unicode character U+2019

## Warning in strwidth(words[i], cex = size[i], ...): conversion failure on ' '
## in 'mbcsToSbcs': dot substituted for <f0>

## Warning in strwidth(words[i], cex = size[i], ...): conversion failure on ' '
## in 'mbcsToSbcs': dot substituted for <9f>

## Warning in strwidth(words[i], cex = size[i], ...): conversion failure on ' '
## in 'mbcsToSbcs': dot substituted for <a4>

## Warning in strwidth(words[i], cex = size[i], ...): conversion failure on ' '
## in 'mbcsToSbcs': dot substituted for <a3>

## Warning in strwidth(words[i], cex = size[i], ...): conversion failure on ' '
## in 'mbcsToSbcs': dot substituted for <f0>

## Warning in strwidth(words[i], cex = size[i], ...): conversion failure on ' '
## in 'mbcsToSbcs': dot substituted for <9f>

## Warning in strwidth(words[i], cex = size[i], ...): conversion failure on ' '
## in 'mbcsToSbcs': dot substituted for <a4>

## Warning in strwidth(words[i], cex = size[i], ...): conversion failure on ' '
## in 'mbcsToSbcs': dot substituted for <a3>

## Warning in text.default(x1, y1, words[i], cex = size[i], offset = 0, srt =
## rotWord * : conversion failure on ' ' in 'mbcsToSbcs': dot substituted for
## <f0>

## Warning in text.default(x1, y1, words[i], cex = size[i], offset = 0, srt =
## rotWord * : conversion failure on ' ' in 'mbcsToSbcs': dot substituted for
## <9f>

## Warning in text.default(x1, y1, words[i], cex = size[i], offset = 0, srt =
## rotWord * : conversion failure on ' ' in 'mbcsToSbcs': dot substituted for
## <a4>

## Warning in text.default(x1, y1, words[i], cex = size[i], offset = 0, srt =
## rotWord * : conversion failure on ' ' in 'mbcsToSbcs': dot substituted for
## <a3>

## Warning in text.default(x1, y1, words[i], cex = size[i], offset = 0, srt =
## rotWord * : conversion failure on ' ' in 'mbcsToSbcs': dot substituted for
## <f0>

## Warning in text.default(x1, y1, words[i], cex = size[i], offset = 0, srt =
## rotWord * : conversion failure on ' ' in 'mbcsToSbcs': dot substituted for
## <9f>

```

```

## Warning in text.default(x1, y1, words[i], cex = size[i], offset = 0, srt =
## rotWord * : conversion failure on ' ' in 'mbcsToSbcs': dot substituted for
## <a4>

## Warning in text.default(x1, y1, words[i], cex = size[i], offset = 0, srt =
## rotWord * : conversion failure on ' ' in 'mbcsToSbcs': dot substituted for
## <a3>

## Warning in text.default(x1, y1, words[i], cex = size[i], offset = 0, srt =
## rotWord * : font metrics unknown for Unicode character U+1f923

## Warning in text.default(x1, y1, words[i], cex = size[i], offset = 0, srt =
## rotWord * : font metrics unknown for Unicode character U+1f923

## Warning in strwidth(words[i], cex = size[i], ...): conversion failure on 'don't'
## in 'mbcsToSbcs': dot substituted for <e2>

## Warning in strwidth(words[i], cex = size[i], ...): conversion failure on 'don't'
## in 'mbcsToSbcs': dot substituted for <80>

## Warning in strwidth(words[i], cex = size[i], ...): conversion failure on 'don't'
## in 'mbcsToSbcs': dot substituted for <99>

## Warning in text.default(x1, y1, words[i], cex = size[i], offset = 0, srt =
## rotWord * : conversion failure on 'don't' in 'mbcsToSbcs': dot substituted for
## <e2>

## Warning in text.default(x1, y1, words[i], cex = size[i], offset = 0, srt =
## rotWord * : conversion failure on 'don't' in 'mbcsToSbcs': dot substituted for
## <80>

## Warning in text.default(x1, y1, words[i], cex = size[i], offset = 0, srt =
## rotWord * : conversion failure on 'don't' in 'mbcsToSbcs': dot substituted for
## <99>

## Warning in text.default(x1, y1, words[i], cex = size[i], offset = 0, srt =
## rotWord * : font metrics unknown for Unicode character U+2019

```



```

## The following object is masked from 'package:syuzhet':
##
##   rescale

## The following object is masked from 'package:purrr':
##
##   discard

## The following object is masked from 'package:readr':
##
##   col_factor

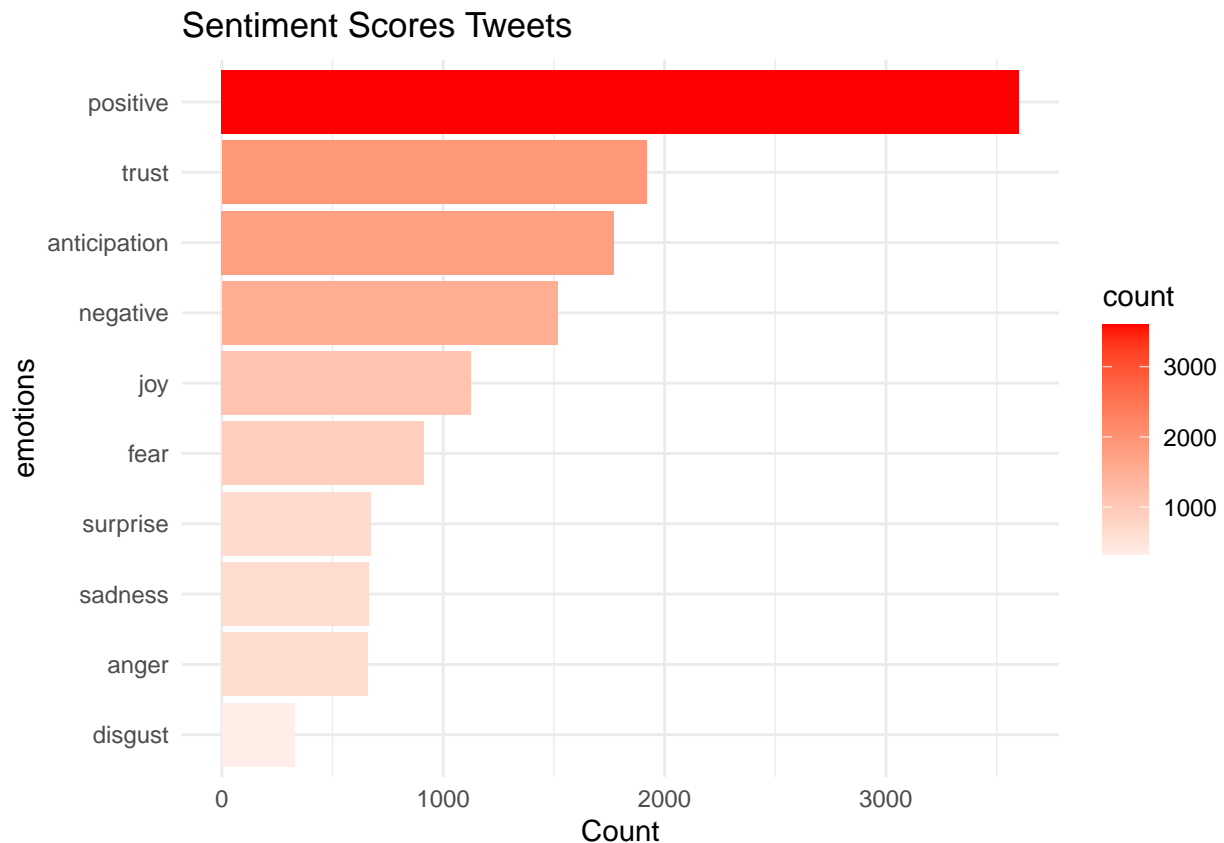
##
## Attaching package: 'reshape2'

## The following object is masked from 'package:tidyr':
##
##   smiths

## Warning: `spread()` was deprecated in tidyr 1.2.0.
## Please use `spread()` instead.
## This warning is displayed once every 8 hours.
## Call `lifecycle::last_lifecycle_warnings()` to see where this warning was generated.

##   anger anticipation disgust fear joy sadness surprise trust negative positive
## 1      2              1      1  2  1      1      1      1      2      1
## 2      0              0      0  0  0      0      0      0      0      1
## 3      1              1      2  2  0      2      0      1      2      1
## 4      0              0      0  0  0      0      0      1      0      1
## 5      0              1      0  0  1      0      0      3      0      3
## 6      0              0      0  0  0      0      0      0      0      0

```



```
## Loading required package: usethis
```

```
##
```

```
## Attaching package: 'sentimentr'
```

```
## The following object is masked from 'package:syuzhet':
```

```
##
```

```
## get_sentences
```

```
## Warning: Each time `sentiment_by` is run it has to do sentence boundary disambiguation when a
## raw `character` vector is passed to `text.var`. This may be costly of time and
## memory. It is highly recommended that the user first runs the raw `character`
## vector through the `get_sentences` function.
```

```
## Warning: Each time `extract_sentiment` is run it has to do sentence boundary disambiguation when a
## raw `character` vector is passed to `text.var`. This may be costly of time and
## memory. It is highly recommended that the user first runs the raw `character`
## vector through the `get_sentences` function.
```

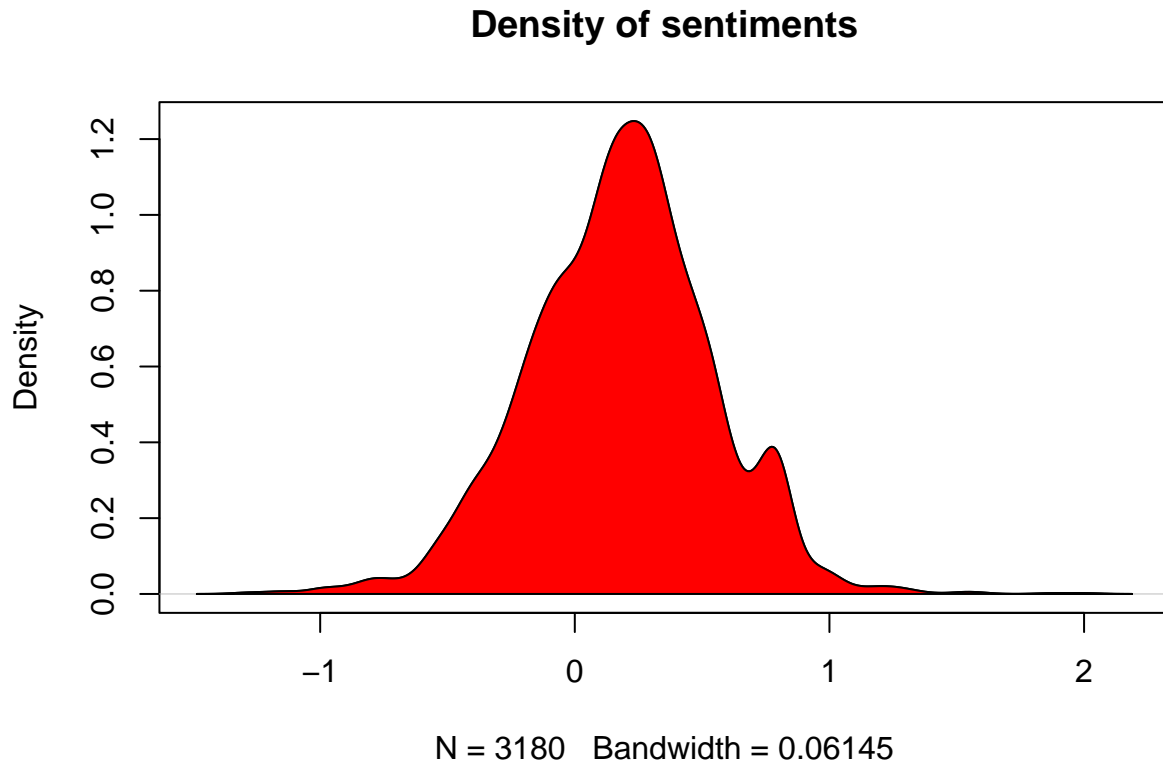
Another important result is outlined by the following graphs. It shows the density of sentiment: as it can be noticed it follows a normal-like distribution ( $\mu = 0.18$ ,  $\sigma = 0.36$ ), slightly positively skewed. This result is line with the previous results, highlighting the positive polarity of the sentiments. Here follows a brief statistical summary of the density plot, followed by the plot itself.

MIGHT BE INTERESTING TO SEE THE DESCRIPTIVE STATISTIC VALUE IN A TABLE

```
## [1] 0.182454
```

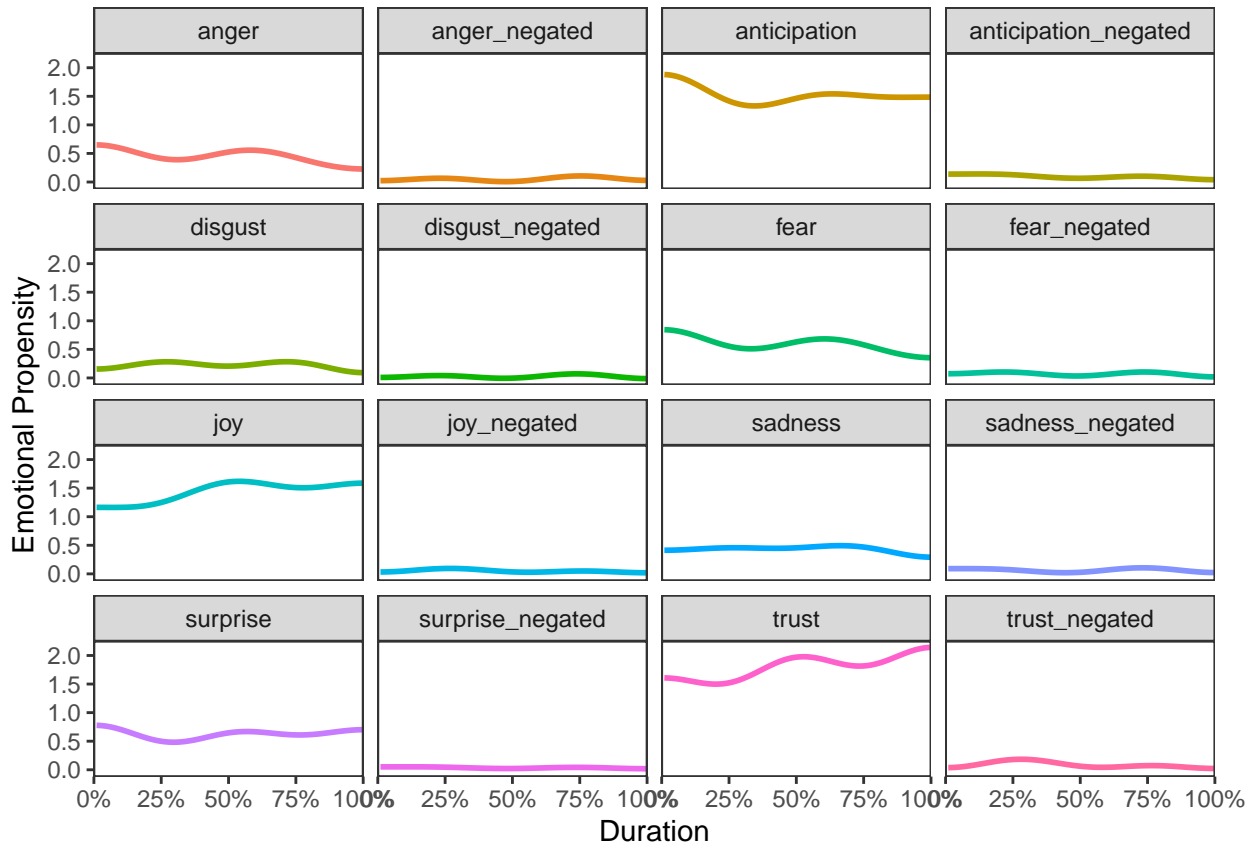
```
## [1] 0.3592767
```

```
## [1] -0.0477896
```



### ### Emotions at the sentence level

The following analysis detects the rate of emotion at the sentence level. This method uses a simple dictionary lookup to find emotion words and then compute the rate per sentence. The emotion score ranges between 0 (no emotion used) and 1 (all words used were emotional). Once again, this result is in line with the previous ones, showing how positive emotions such as joy, trust and anticipation are predominant. Please note that the suffix *\*\_negated\** indicates the opposite of the reference emotions, which appears to be consistently absent in relation to any emotion.



DO THE SAME WITH A SUBSET CONSIDERING ONLY FROM A SPECIFIC POINT ONWARD AND WITHOUT AMP, compare and see if there is any difference.

### Subsetting sentiment from Jan 2020 without “AMP” word

```
## Warning in tm_map.SimpleCorpus(corpus1, tolower): transformation drops documents
```

```
## Warning in tm_map.SimpleCorpus(corpus1, removePunctuation): transformation drops
## documents
```

```
## Warning in tm_map.SimpleCorpus(corpus1, removeNumbers): transformation drops
## documents
```

```
## Warning in tm_map.SimpleCorpus(corpus1, removeWords, stopwords("english")):
## transformation drops documents
```

```
## Warning in tm_map.SimpleCorpus(cleanset1, content_transformer(removeURL1)):
## transformation drops documents
```

```
## Warning in tm_map.SimpleCorpus(cleanset1, stripWhitespace): transformation drops
## documents
```

```
##          Docs
## Terms      1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20
```



```
## art      1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0
## fart     1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
## put      1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
## fvckgerry 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
## haha     0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0
## spectrum 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
##          0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
## goblins  0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
## king     0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
## labyrinth 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
```

```
## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 's' in 'mbcsToSbcs': dot substituted for <e2>
```

```
## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 's' in 'mbcsToSbcs': dot substituted for <80>
```

```
## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 's' in 'mbcsToSbcs': dot substituted for <99>
```

```
## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 's' in 'mbcsToSbcs': dot substituted for <e2>
```

```
## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 's' in 'mbcsToSbcs': dot substituted for <80>
```

```
## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 's' in 'mbcsToSbcs': dot substituted for <99>
```

```
## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 's' in 'mbcsToSbcs': dot substituted for <e2>
```

```
## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 's' in 'mbcsToSbcs': dot substituted for <80>
```

```
## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 's' in 'mbcsToSbcs': dot substituted for <99>
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## conversion failure on 's' in 'mbcsToSbcs': dot substituted for <e2>
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```
## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 's' in 'mbcsToSbcs': dot substituted for <80>
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```
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## conversion failure on 's' in 'mbcsToSbcs': dot substituted for <99>
```

```
## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on 's' in 'mbcsToSbcs': dot substituted for <e2>
```

```

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on ''s' in 'mbcsToSbcs': dot substituted for <80>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on ''s' in 'mbcsToSbcs': dot substituted for <99>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on ''s' in 'mbcsToSbcs': dot substituted for <e2>

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## conversion failure on ''s' in 'mbcsToSbcs': dot substituted for <80>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on ''s' in 'mbcsToSbcs': dot substituted for <99>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on ''s' in 'mbcsToSbcs': dot substituted for <e2>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on ''s' in 'mbcsToSbcs': dot substituted for <80>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on ''s' in 'mbcsToSbcs': dot substituted for <99>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on ''s' in 'mbcsToSbcs': dot substituted for <e2>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on ''s' in 'mbcsToSbcs': dot substituted for <80>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on ''s' in 'mbcsToSbcs': dot substituted for <99>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on ''s' in 'mbcsToSbcs': dot substituted for <e2>

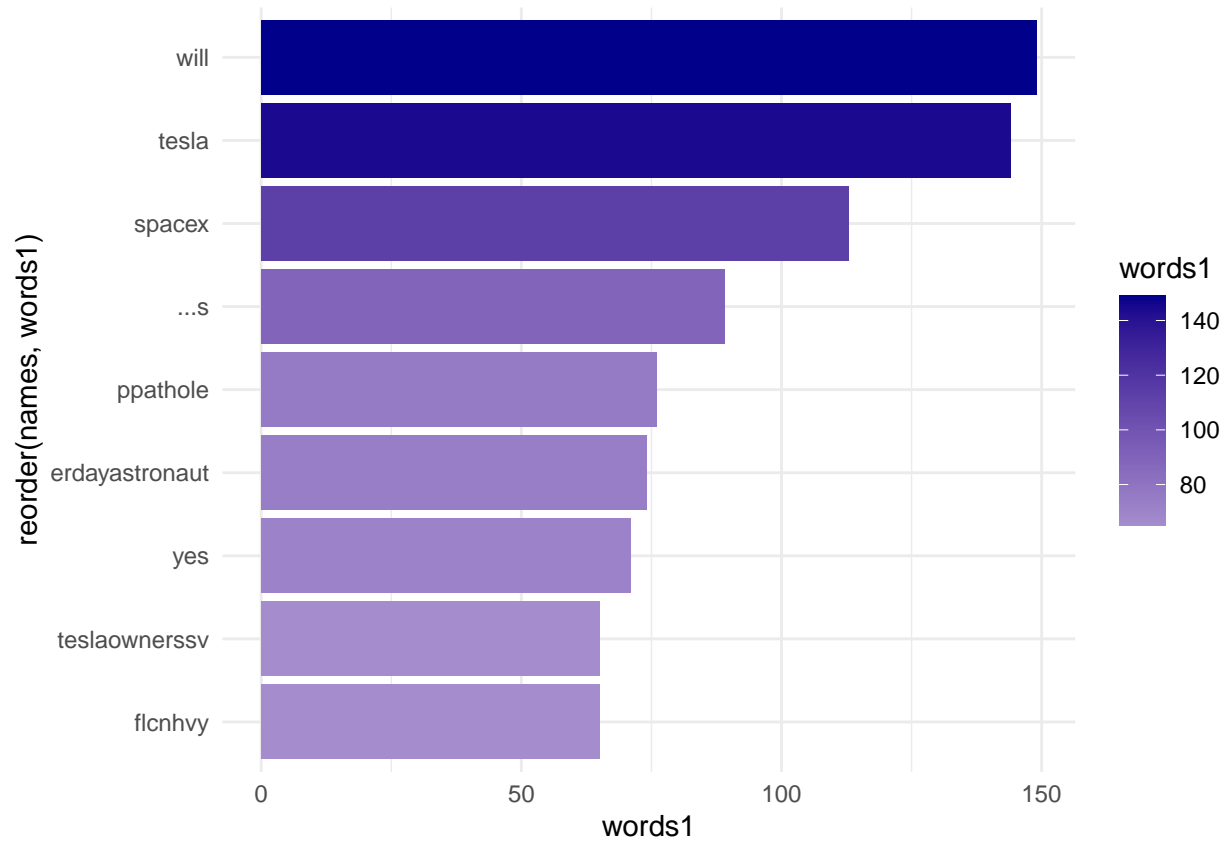
## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on ''s' in 'mbcsToSbcs': dot substituted for <80>

## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :
## conversion failure on ''s' in 'mbcsToSbcs': dot substituted for <99>

```

```
## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :  
## conversion failure on 's' in 'mbcsToSbcs': dot substituted for <e2>  
  
## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :  
## conversion failure on 's' in 'mbcsToSbcs': dot substituted for <80>  
  
## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :  
## conversion failure on 's' in 'mbcsToSbcs': dot substituted for <99>  
  
## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :  
## conversion failure on 's' in 'mbcsToSbcs': dot substituted for <e2>  
  
## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :  
## conversion failure on 's' in 'mbcsToSbcs': dot substituted for <80>  
  
## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :  
## conversion failure on 's' in 'mbcsToSbcs': dot substituted for <99>  
  
## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :  
## conversion failure on 's' in 'mbcsToSbcs': dot substituted for <e2>  
  
## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :  
## conversion failure on 's' in 'mbcsToSbcs': dot substituted for <80>  
  
## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :  
## conversion failure on 's' in 'mbcsToSbcs': dot substituted for <99>  
  
## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :  
## conversion failure on 's' in 'mbcsToSbcs': dot substituted for <e2>  
  
## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :  
## conversion failure on 's' in 'mbcsToSbcs': dot substituted for <80>  
  
## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :  
## conversion failure on 's' in 'mbcsToSbcs': dot substituted for <99>  
  
## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :  
## conversion failure on 's' in 'mbcsToSbcs': dot substituted for <e2>  
  
## Warning in grid.Call(C_textBounds, as.graphicsAnnot(x$label), x$x, x$y, :  
## conversion failure on 's' in 'mbcsToSbcs': dot substituted for <80>
```

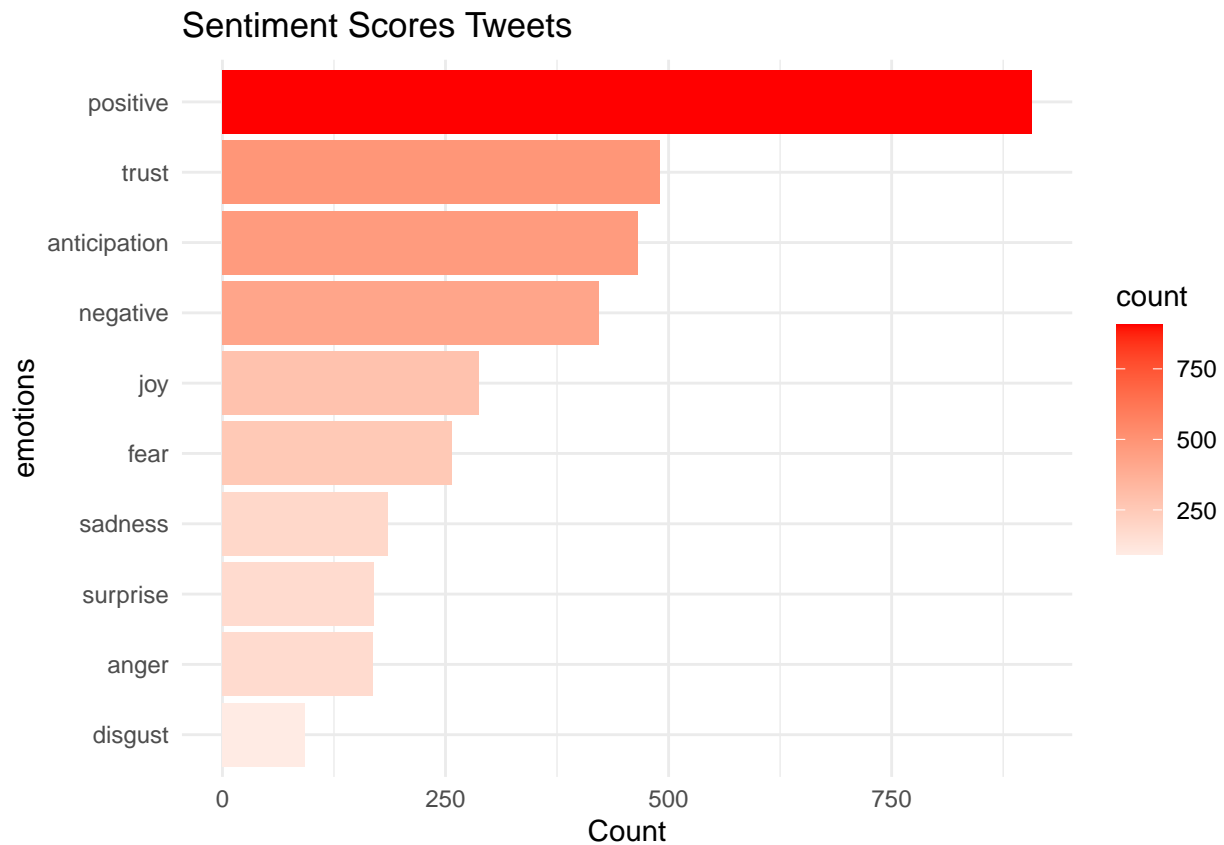
```
## Warning in grid.Call.graphics(C_text, as.graphicsAnnot(x$label), x$x, x$y, :  
## conversion failure on ''s' in 'mbcsToSbcs': dot substituted for <99>
```





### Sentiment scores and density

[illegible]



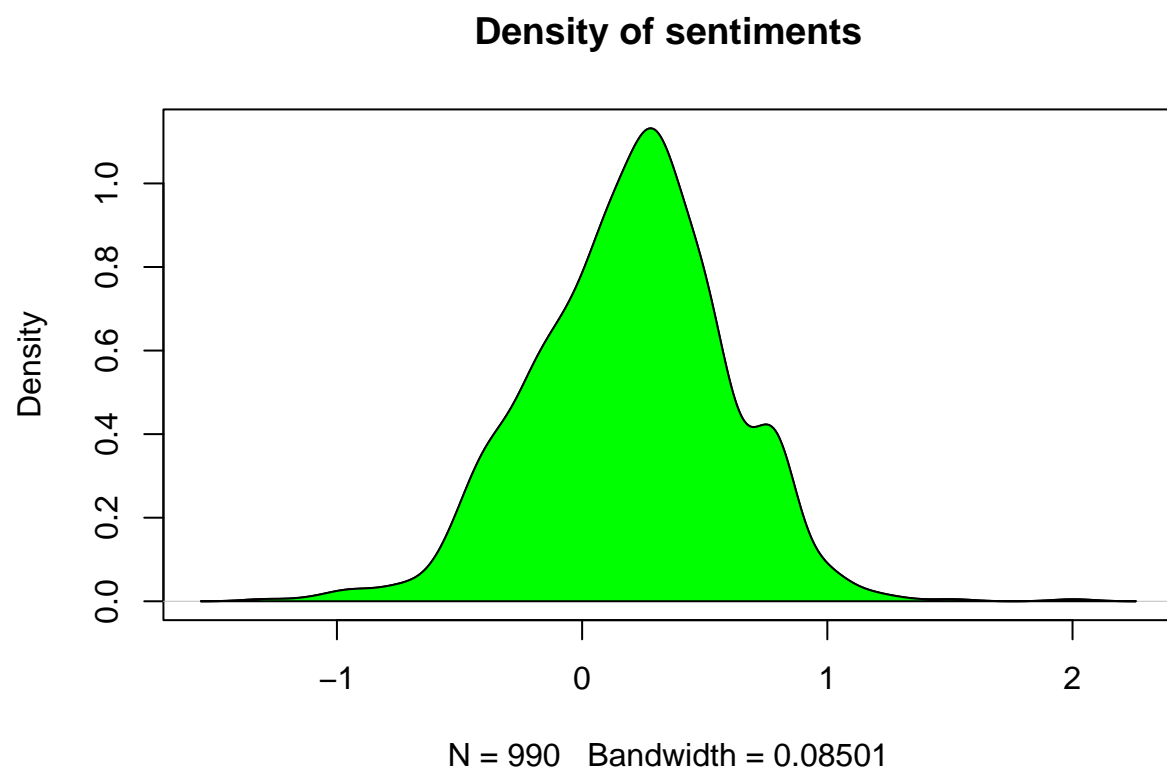
```
## Warning: Each time `sentiment_by` is run it has to do sentence boundary disambiguation when a
## raw `character` vector is passed to `text.var`. This may be costly of time and
## memory. It is highly recommended that the user first runs the raw `character`
## vector through the `get_sentences` function.
```

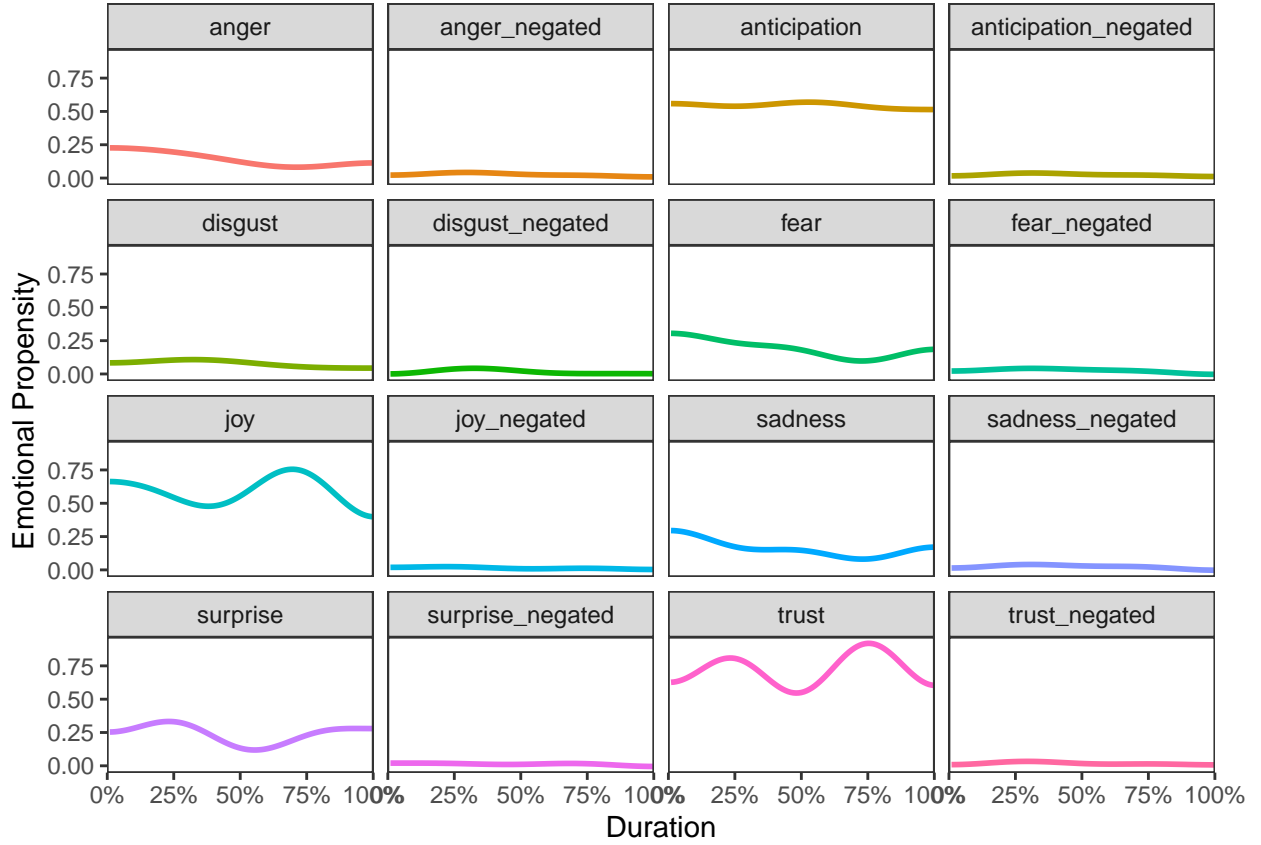
```
## Warning: Each time `extract_sentiment` is run it has to do sentence boundary disambiguation when a
## raw `character` vector is passed to `text.var`. This may be costly of time and
## memory. It is highly recommended that the user first runs the raw `character`
## vector through the `get_sentences` function.
```

```
## [1] 0.1981359
```

```
## [1] 0.3859845
```

```
## [1] -0.1307537
```





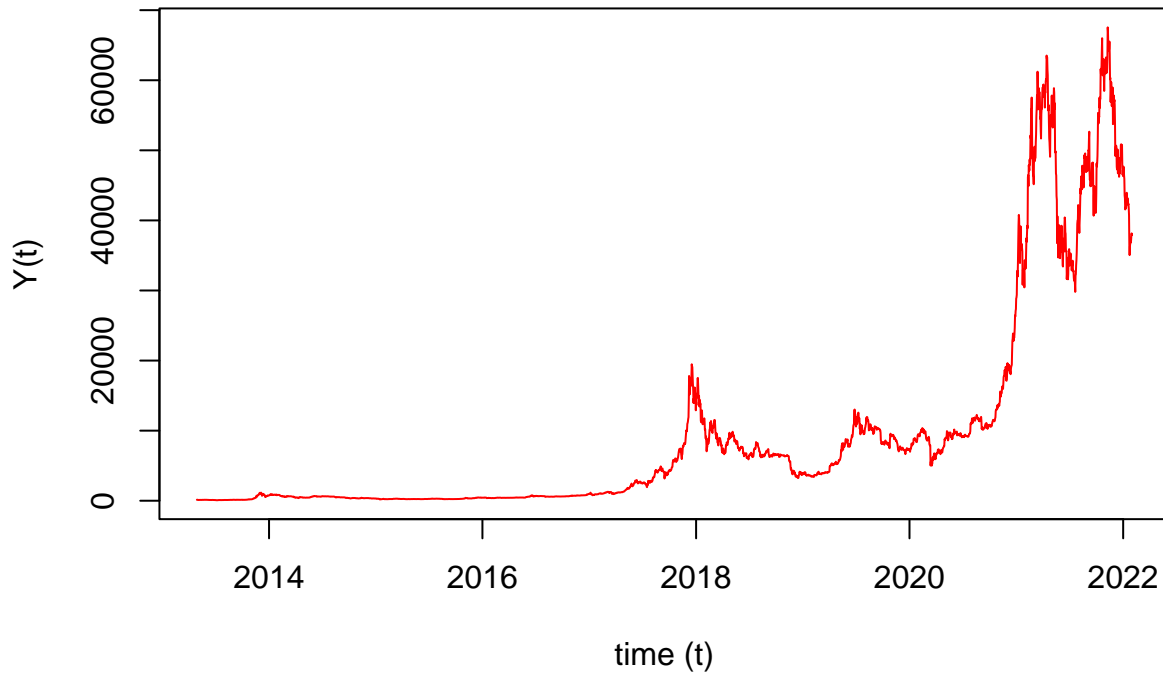
## Testing for stationarity

In this section we show the results obtained when testing for Bitcoin trend stationarity. We recall the hypothesis:

*Null Hypothesis ( $H_0$ )* : Null hypothesis of the test is that the time series can be represented by a unit root that is not stationary. *Alternative Hypothesis ( $H_1$ )*: Alternative Hypothesis of the test is that the time series is stationary. The following plot, represent our study focus.



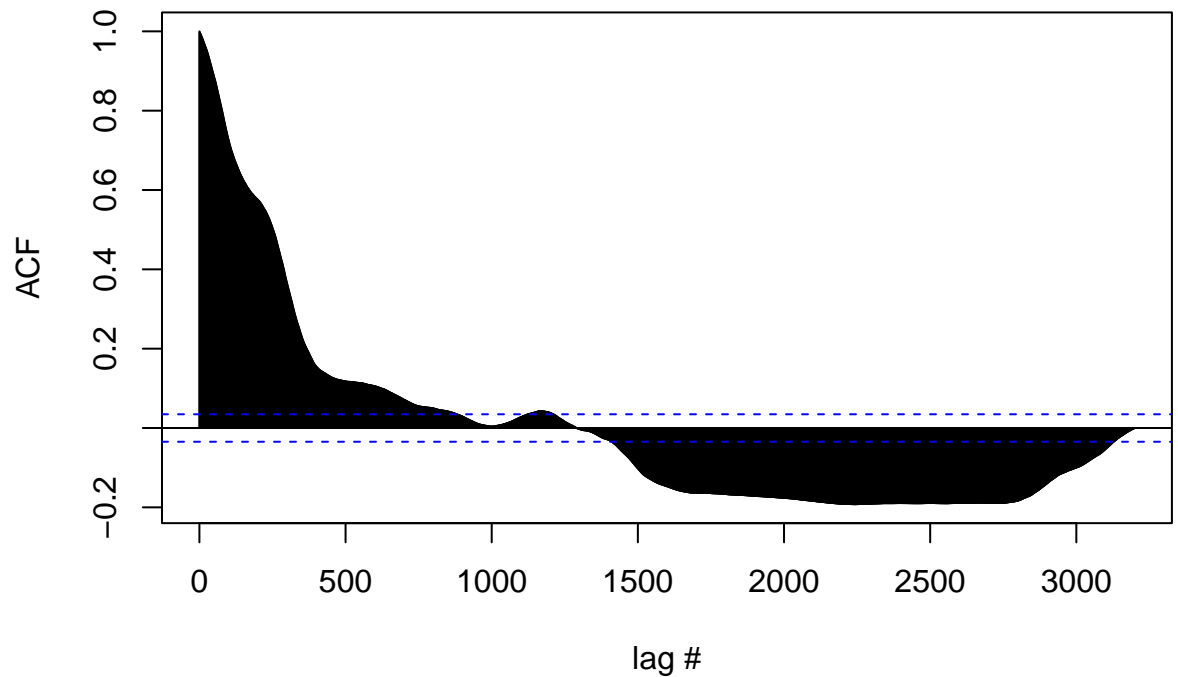
## Trend signal



## Autocorrelation Function

The autocorrelation function (ACF) defines how data points in a time series are related, on average, to the preceding data points (Box, Jenkins, & Reinsel, 1994). In other words, it measures the self-similarity of the signal over different delay times. An autocorrelation plot shows the value of the autocorrelation function (ACF) on the vertical axis. It can range from  $-1$  to  $1$ . We use autocorrelation plot to assess whether the elements of a time series randomly oscillates around zero.

Our first attempt without any transformation gives the following result, which shows consistent non-



stationarity.

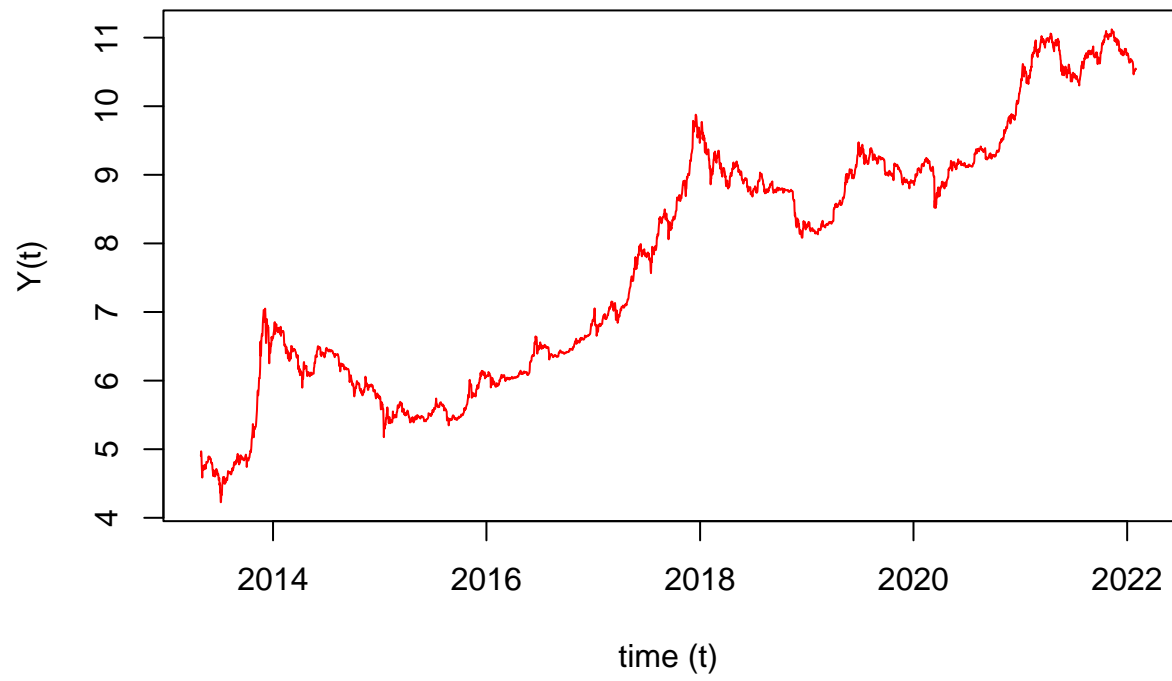
We proceed by applying an Augmented Dickey–Fuller (ADF) t-statistic test for unit root: in statistics and econometrics, an augmented Dickey–Fuller test (ADF) tests the null hypothesis that a unit root is present in a time series sample. The alternative hypothesis is different depending on which version of the test is used, but is usually stationarity or trend-stationarity. It is an augmented version of the Dickey–Fuller test for a larger and more complicated set of time series models. The augmented Dickey–Fuller (ADF) statistic, used in the test, is a negative number. The more negative it is, the stronger the rejection of the hypothesis that there is a unit root at some level of confidence. Our result clearly shows a non-stationarity due to the high p-value ( $>0.5$ ).

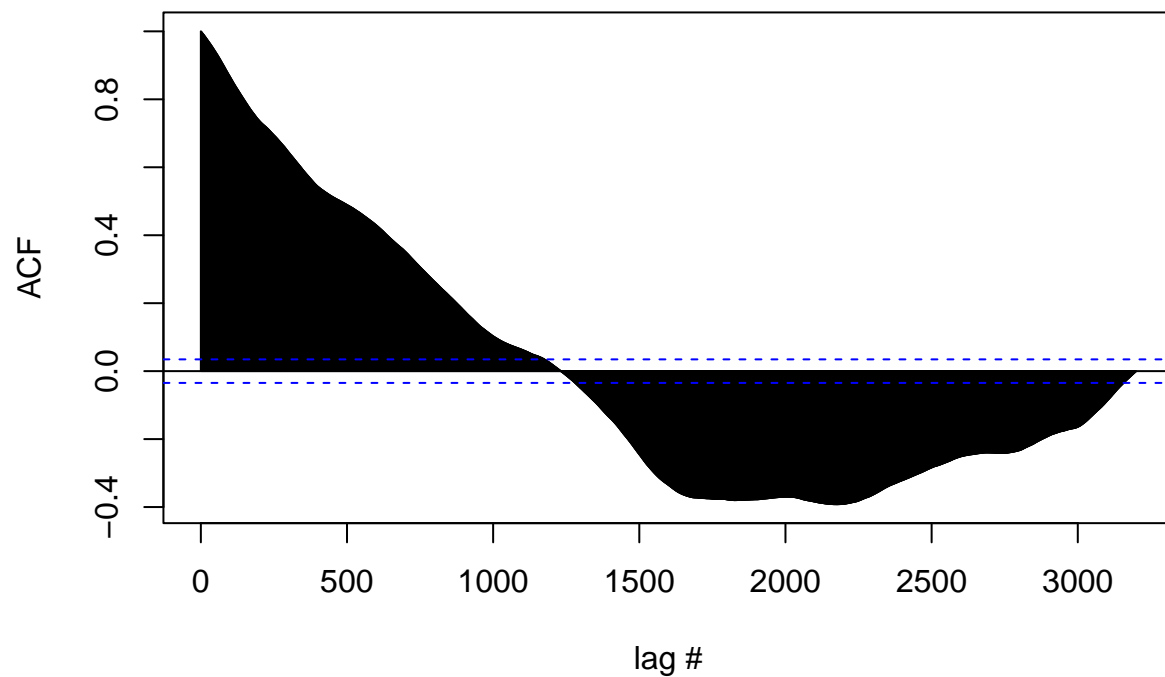
```
## Loading required package: tseries

## Registered S3 method overwritten by 'quantmod':
##   method      from
##   as.zoo.data.frame zoo
```

In order to go from non-stationarity to stationarity different techniques can be used. We first attempt in utilising logarithmic transformation: such transformation can help to stabilise the variance of a time series. We apply the ADF test, still obtaining a non statistically relevant result, even though the p-value has decreased to 0.46.

### Trend signal

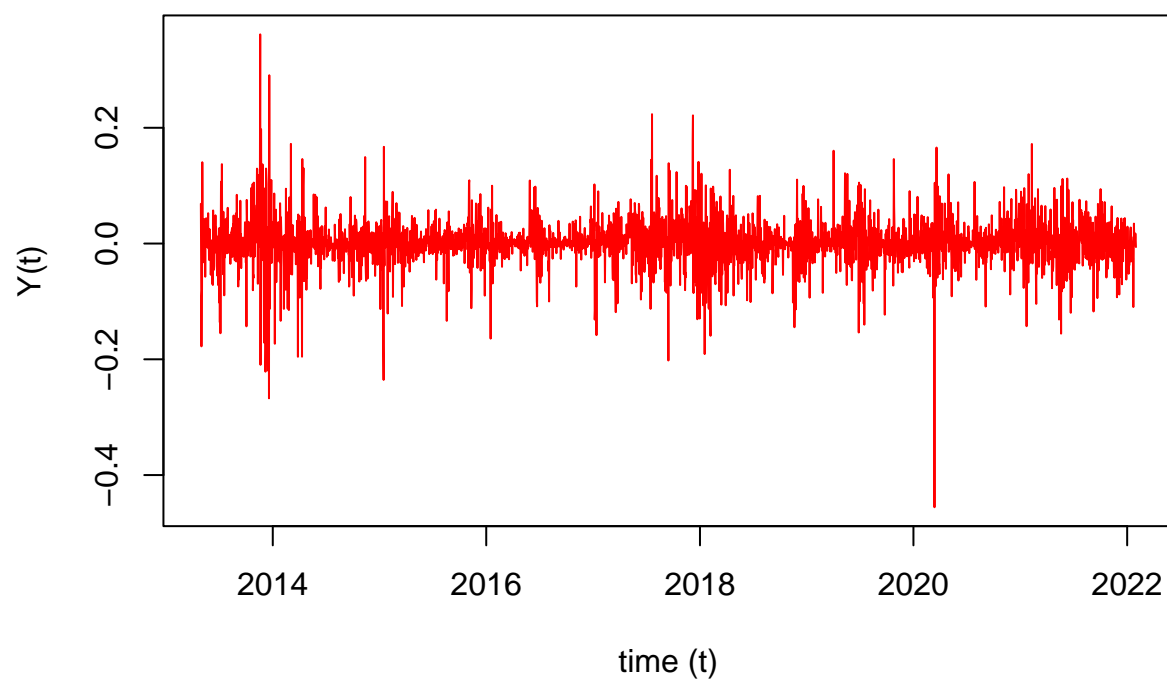


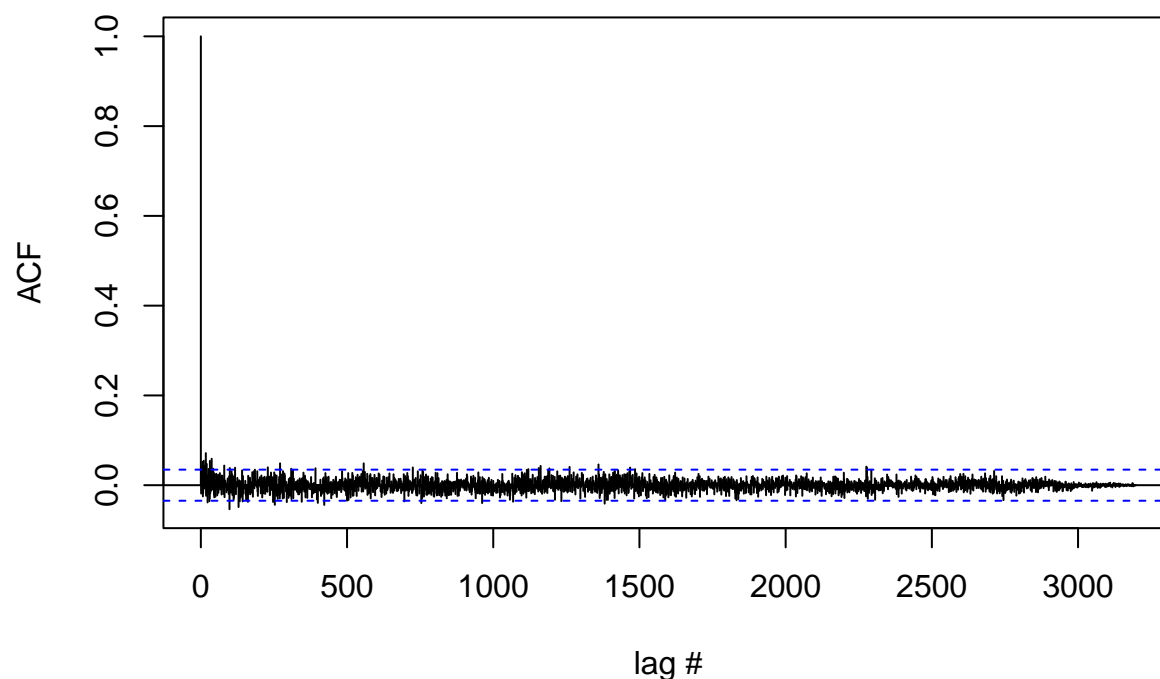


```
##
## Augmented Dickey-Fuller Test
##
## data:  btc_hist$log
## Dickey-Fuller = -2.2737, Lag order = 14, p-value = 0.4624
## alternative hypothesis: stationary
```

Differencing log values can help stabilise the mean of a time series by removing changes in the level of a time series, and therefore eliminating (or reducing) trend and seasonality. We attempt to use this transformation obtaining satisfying results. Indeed, the following plot shows how the trend has been removed and stationarity is obtained.

### Trend signal





We conduct the ADF test to confirm our results: p-value is now 0.01 (highly significant) and we can assess that the log difference of the elements of the time series result to be non-stationary.

```
##
## Augmented Dickey-Fuller Test
##
## data: diff
## Dickey-Fuller = -14.411, Lag order = 14, p-value = 0.01
## alternative hypothesis: stationary
```

```
##
## Augmented Dickey-Fuller Test
##
## data: logdiff
## Dickey-Fuller = -12.942, Lag order = 14, p-value = 0.01
## alternative hypothesis: stationary
```

This means that bitcoin volatility is random, not influenced by Elon Musk's tweets. This is a core finding of our study.

## Da qui in poi fede guarda tu

try to find change points in the data, I use diff for now not sure tho

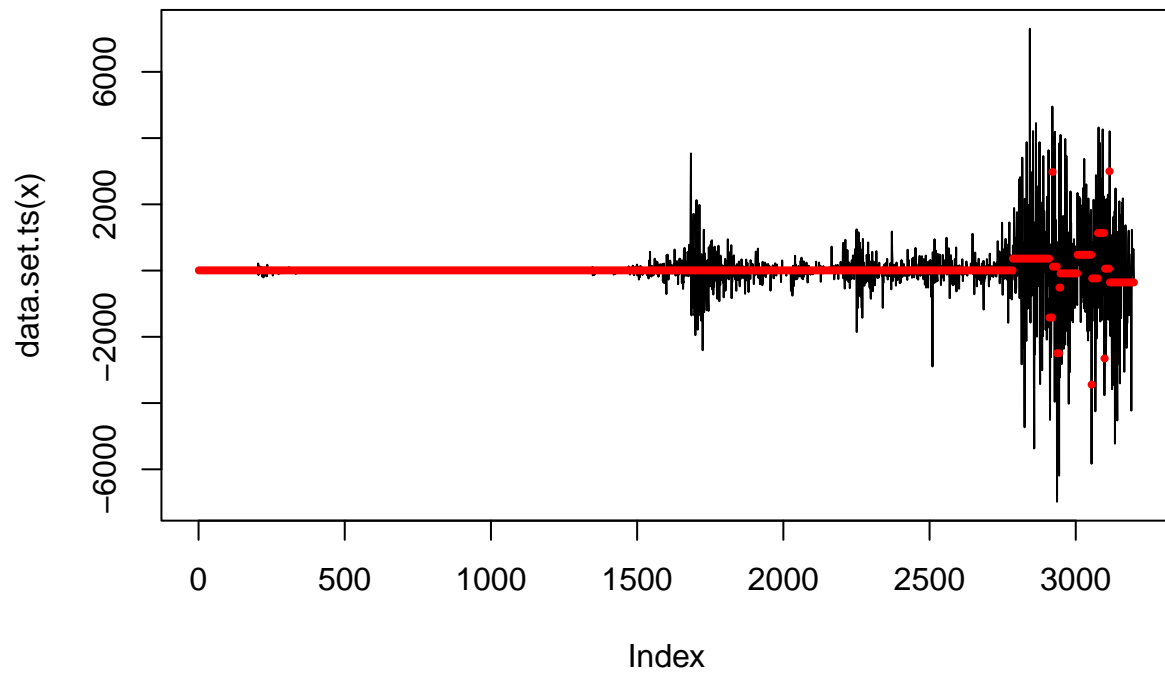
```
## Loading required package: changepoint
```

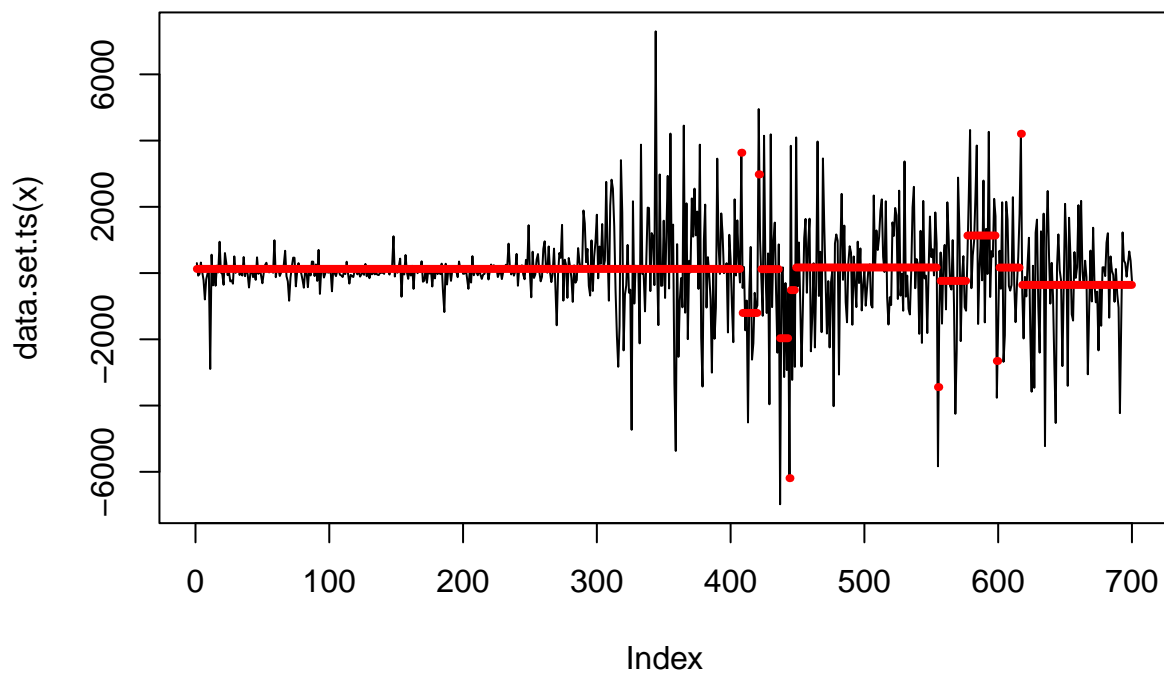
```
## Loading required package: zoo

##
## Attaching package: 'zoo'

## The following objects are masked from 'package:base':
##
##   as.Date, as.Date.numeric

## Successfully loaded changepoint package version 2.2.3
## See NEWS for details of changes.
```

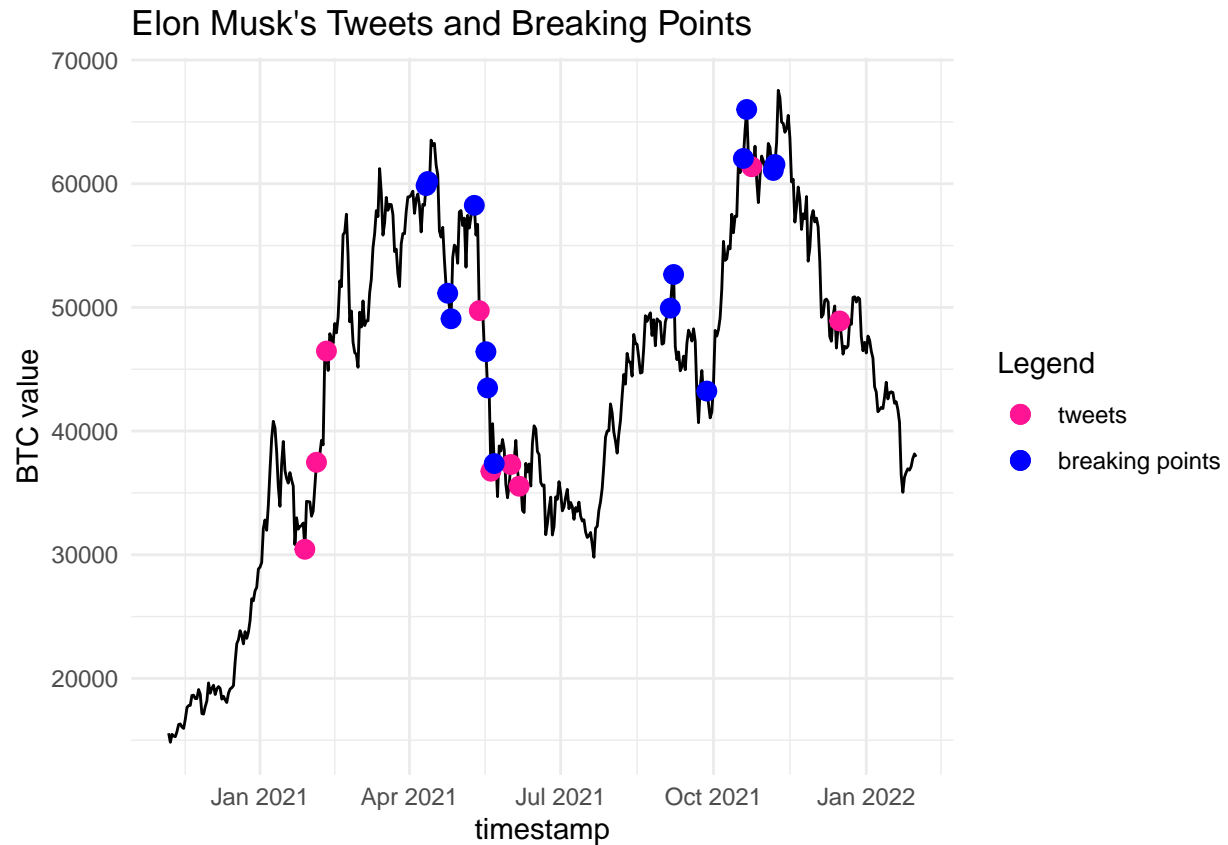




tried with different methods (segmented neighbour and PELT, but Binseg most effective):

Those were only taking into consideration the mean, let's see the results for mean and variance all together





Do the same with Doge

```
## > Scraping historical crypto data
```

```
##
```

```
## > Processing historical crypto data
```

```
##
```

```
##      timestamp id      slug      name symbol ref_cur      open
## 1  2020-01-02 23:59:59 74 dogecoin Dogecoin  DOGE      USD 0.002034263
## 2  2020-01-03 23:59:59 74 dogecoin Dogecoin  DOGE      USD 0.002007977
## 3  2020-01-04 23:59:59 74 dogecoin Dogecoin  DOGE      USD 0.002144226
## 4  2020-01-05 23:59:59 74 dogecoin Dogecoin  DOGE      USD 0.002240008
## 5  2020-01-06 23:59:59 74 dogecoin Dogecoin  DOGE      USD 0.002418308
## 6  2020-01-07 23:59:59 74 dogecoin Dogecoin  DOGE      USD 0.002484822
## 7  2020-01-08 23:59:59 74 dogecoin Dogecoin  DOGE      USD 0.002433075
## 8  2020-01-09 23:59:59 74 dogecoin Dogecoin  DOGE      USD 0.002291321
## 9  2020-01-10 23:59:59 74 dogecoin Dogecoin  DOGE      USD 0.002254530
## 10 2020-01-11 23:59:59 74 dogecoin Dogecoin  DOGE      USD 0.002350604
## 11 2020-01-12 23:59:59 74 dogecoin Dogecoin  DOGE      USD 0.002312906
## 12 2020-01-13 23:59:59 74 dogecoin Dogecoin  DOGE      USD 0.002381060
## 13 2020-01-14 23:59:59 74 dogecoin Dogecoin  DOGE      USD 0.002357932
## 14 2020-01-15 23:59:59 74 dogecoin Dogecoin  DOGE      USD 0.002467566
## 15 2020-01-16 23:59:59 74 dogecoin Dogecoin  DOGE      USD 0.002372113
```

## 16	2020-01-17	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002346193
## 17	2020-01-18	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002490170
## 18	2020-01-19	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002514212
## 19	2020-01-20	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002405322
## 20	2020-01-21	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002374483
## 21	2020-01-22	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002376046
## 22	2020-01-23	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002323335
## 23	2020-01-24	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002268044
## 24	2020-01-25	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002276085
## 25	2020-01-26	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002257507
## 26	2020-01-27	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002304434
## 27	2020-01-28	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002365289
## 28	2020-01-29	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002450594
## 29	2020-01-30	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002391217
## 30	2020-01-31	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002439877
## 31	2020-02-01	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002391252
## 32	2020-02-02	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002421095
## 33	2020-02-03	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002465532
## 34	2020-02-04	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002438452
## 35	2020-02-05	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002502805
## 36	2020-02-06	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002582951
## 37	2020-02-07	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002653770
## 38	2020-02-08	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002766879
## 39	2020-02-09	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.003155727
## 40	2020-02-10	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.003233898
## 41	2020-02-11	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.003011425
## 42	2020-02-12	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.003040672
## 43	2020-02-13	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.003063552
## 44	2020-02-14	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002999218
## 45	2020-02-15	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.003098151
## 46	2020-02-16	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002916936
## 47	2020-02-17	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002739679
## 48	2020-02-18	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002677453
## 49	2020-02-19	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002838629
## 50	2020-02-20	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002625253
## 51	2020-02-21	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002656138
## 52	2020-02-22	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002650497
## 53	2020-02-23	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002599788
## 54	2020-02-24	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002679338
## 55	2020-02-25	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002590142
## 56	2020-02-26	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002475473
## 57	2020-02-27	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002337142
## 58	2020-02-28	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002323352
## 59	2020-02-29	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002285598
## 60	2020-03-01	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002233246
## 61	2020-03-02	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002278447
## 62	2020-03-03	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002348348
## 63	2020-03-04	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002499746
## 64	2020-03-05	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002399134
## 65	2020-03-06	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002504474
## 66	2020-03-07	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002500657
## 67	2020-03-08	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002406346
## 68	2020-03-09	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002189466
## 69	2020-03-10	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002216847

##	70	2020-03-11	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002207904
##	71	2020-03-12	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002183372
##	72	2020-03-13	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.001540123
##	73	2020-03-14	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.001736776
##	74	2020-03-15	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.001663617
##	75	2020-03-16	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.001683832
##	76	2020-03-17	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.001590881
##	77	2020-03-18	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.001590315
##	78	2020-03-19	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.001566324
##	79	2020-03-20	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.001771461
##	80	2020-03-21	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.001770651
##	81	2020-03-22	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.001784588
##	82	2020-03-23	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.001727475
##	83	2020-03-24	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.001805153
##	84	2020-03-25	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.001851999
##	85	2020-03-26	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.001833002
##	86	2020-03-27	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.001843424
##	87	2020-03-28	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.001805096
##	88	2020-03-29	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.001776904
##	89	2020-03-30	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.001723138
##	90	2020-03-31	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.001850678
##	91	2020-04-01	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.001811804
##	92	2020-04-02	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.001867919
##	93	2020-04-03	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.001883166
##	94	2020-04-04	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.001852890
##	95	2020-04-05	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.001880301
##	96	2020-04-06	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.001865887
##	97	2020-04-07	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.001972083
##	98	2020-04-08	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.001986065
##	99	2020-04-09	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002012907
##	100	2020-04-10	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002021280
##	101	2020-04-11	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.001968032
##	102	2020-04-12	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.001989476
##	103	2020-04-13	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.001989536
##	104	2020-04-14	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.001957915
##	105	2020-04-15	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.001963468
##	106	2020-04-16	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.001940552
##	107	2020-04-17	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002027930
##	108	2020-04-18	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002012803
##	109	2020-04-19	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002059680
##	110	2020-04-20	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002058297
##	111	2020-04-21	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.001982269
##	112	2020-04-22	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.001970635
##	113	2020-04-23	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002010501
##	114	2020-04-24	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002047133
##	115	2020-04-25	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002101882
##	116	2020-04-26	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002140525
##	117	2020-04-27	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002410472
##	118	2020-04-28	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002353859
##	119	2020-04-29	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002339022
##	120	2020-04-30	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002516712
##	121	2020-05-01	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002444389
##	122	2020-05-02	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002495304
##	123	2020-05-03	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002547752

##	124	2020-05-04	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002510893
##	125	2020-05-05	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002481259
##	126	2020-05-06	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002482979
##	127	2020-05-07	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002518016
##	128	2020-05-08	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002659400
##	129	2020-05-09	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002621858
##	130	2020-05-10	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002611463
##	131	2020-05-11	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002457310
##	132	2020-05-12	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002413291
##	133	2020-05-13	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002463506
##	134	2020-05-14	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002517923
##	135	2020-05-15	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002573520
##	136	2020-05-16	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002506560
##	137	2020-05-17	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002512356
##	138	2020-05-18	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002536538
##	139	2020-05-19	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002543716
##	140	2020-05-20	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002538958
##	141	2020-05-21	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002510130
##	142	2020-05-22	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002485975
##	143	2020-05-23	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002532559
##	144	2020-05-24	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002544249
##	145	2020-05-25	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002455520
##	146	2020-05-26	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002539272
##	147	2020-05-27	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002485560
##	148	2020-05-28	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002511623
##	149	2020-05-29	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002523509
##	150	2020-05-30	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002531371
##	151	2020-05-31	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002615359
##	152	2020-06-01	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002555153
##	153	2020-06-02	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002647410
##	154	2020-06-03	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002561514
##	155	2020-06-04	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002582648
##	156	2020-06-05	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002631602
##	157	2020-06-06	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002595371
##	158	2020-06-07	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002587178
##	159	2020-06-08	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002605565
##	160	2020-06-09	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002583625
##	161	2020-06-10	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002568505
##	162	2020-06-11	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002584234
##	163	2020-06-12	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002454963
##	164	2020-06-13	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002520444
##	165	2020-06-14	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002532632
##	166	2020-06-15	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002509589
##	167	2020-06-16	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002479308
##	168	2020-06-17	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002489954
##	169	2020-06-18	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002484965
##	170	2020-06-19	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002471191
##	171	2020-06-20	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002434795
##	172	2020-06-21	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002446580
##	173	2020-06-22	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002446692
##	174	2020-06-23	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002473654
##	175	2020-06-24	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002483416
##	176	2020-06-25	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002430249
##	177	2020-06-26	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002416608

##	178	2020-06-27	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002358864
##	179	2020-06-28	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002312919
##	180	2020-06-29	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002325754
##	181	2020-06-30	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002310636
##	182	2020-07-01	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002319677
##	183	2020-07-02	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002330046
##	184	2020-07-03	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002361122
##	185	2020-07-04	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002314868
##	186	2020-07-05	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002306855
##	187	2020-07-06	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002308978
##	188	2020-07-07	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002614165
##	189	2020-07-08	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.003097099
##	190	2020-07-09	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.004731926
##	191	2020-07-10	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.004393899
##	192	2020-07-11	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.003528393
##	193	2020-07-12	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.003810612
##	194	2020-07-13	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.003629614
##	195	2020-07-14	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.003169305
##	196	2020-07-15	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.003286853
##	197	2020-07-16	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.003085843
##	198	2020-07-17	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002991475
##	199	2020-07-18	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.003060122
##	200	2020-07-19	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.003463700
##	201	2020-07-20	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.003382553
##	202	2020-07-21	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.003231541
##	203	2020-07-22	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.003301520
##	204	2020-07-23	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.003283085
##	205	2020-07-24	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.003294785
##	206	2020-07-25	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.003219421
##	207	2020-07-26	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.003238232
##	208	2020-07-27	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.003234254
##	209	2020-07-28	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.003154565
##	210	2020-07-29	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.003197941
##	211	2020-07-30	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.003192409
##	212	2020-07-31	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.003229316
##	213	2020-08-01	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.003225361
##	214	2020-08-02	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.003695958
##	215	2020-08-03	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.003336113
##	216	2020-08-04	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.003388506
##	217	2020-08-05	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.003543337
##	218	2020-08-06	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.003517355
##	219	2020-08-07	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.003563314
##	220	2020-08-08	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.003533725
##	221	2020-08-09	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.003508148
##	222	2020-08-10	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.003468256
##	223	2020-08-11	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.003494873
##	224	2020-08-12	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.003396899
##	225	2020-08-13	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.003483332
##	226	2020-08-14	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.003513676
##	227	2020-08-15	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.003562623
##	228	2020-08-16	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.003540441
##	229	2020-08-17	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.003523562
##	230	2020-08-18	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.003592522
##	231	2020-08-19	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.003508151

##	232	2020-08-20	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.003424058
##	233	2020-08-21	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.003457499
##	234	2020-08-22	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.003392407
##	235	2020-08-23	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.003437853
##	236	2020-08-24	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.003410079
##	237	2020-08-25	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.003417538
##	238	2020-08-26	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.003301031
##	239	2020-08-27	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.003299893
##	240	2020-08-28	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.003202756
##	241	2020-08-29	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.003267281
##	242	2020-08-30	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.003283634
##	243	2020-08-31	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.003301442
##	244	2020-09-01	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.003219681
##	245	2020-09-02	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.003257917
##	246	2020-09-03	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.003122464
##	247	2020-09-04	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002799039
##	248	2020-09-05	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002899531
##	249	2020-09-06	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002758261
##	250	2020-09-07	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002787231
##	251	2020-09-08	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002820249
##	252	2020-09-09	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002758269
##	253	2020-09-10	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002792125
##	254	2020-09-11	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002805225
##	255	2020-09-12	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002802326
##	256	2020-09-13	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002818839
##	257	2020-09-14	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002775655
##	258	2020-09-15	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002799009
##	259	2020-09-16	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002830587
##	260	2020-09-17	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002824293
##	261	2020-09-18	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002813512
##	262	2020-09-19	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002796282
##	263	2020-09-20	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002794127
##	264	2020-09-21	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002777661
##	265	2020-09-22	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002625160
##	266	2020-09-23	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002647990
##	267	2020-09-24	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002557280
##	268	2020-09-25	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002628130
##	269	2020-09-26	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002698720
##	270	2020-09-27	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002696840
##	271	2020-09-28	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002709240
##	272	2020-09-29	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002662060
##	273	2020-09-30	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002682870
##	274	2020-10-01	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002630530
##	275	2020-10-02	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002614420
##	276	2020-10-03	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002583050
##	277	2020-10-04	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002605920
##	278	2020-10-05	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002632450
##	279	2020-10-06	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002612420
##	280	2020-10-07	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002592510
##	281	2020-10-08	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002584330
##	282	2020-10-09	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002616250
##	283	2020-10-10	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002654490
##	284	2020-10-11	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002667100
##	285	2020-10-12	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002674120

##	286	2020-10-13	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002666640
##	287	2020-10-14	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002633550
##	288	2020-10-15	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002649950
##	289	2020-10-16	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002594790
##	290	2020-10-17	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002603230
##	291	2020-10-18	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002580970
##	292	2020-10-19	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002594840
##	293	2020-10-20	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002590490
##	294	2020-10-21	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002600310
##	295	2020-10-22	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002626540
##	296	2020-10-23	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002648690
##	297	2020-10-24	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002646800
##	298	2020-10-25	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002645470
##	299	2020-10-26	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002653100
##	300	2020-10-27	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002678700
##	301	2020-10-28	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002676600
##	302	2020-10-29	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002594990
##	303	2020-10-30	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002580670
##	304	2020-10-31	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002598360
##	305	2020-11-01	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002575940
##	306	2020-11-02	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002581710
##	307	2020-11-03	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002517120
##	308	2020-11-04	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002527670
##	309	2020-11-05	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002533310
##	310	2020-11-06	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002616510
##	311	2020-11-07	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002759890
##	312	2020-11-08	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002670680
##	313	2020-11-09	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002710630
##	314	2020-11-10	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002669960
##	315	2020-11-11	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002753390
##	316	2020-11-12	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002768860
##	317	2020-11-13	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002778910
##	318	2020-11-14	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002821450
##	319	2020-11-15	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002773000
##	320	2020-11-16	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002775410
##	321	2020-11-17	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002907890
##	322	2020-11-18	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002935650
##	323	2020-11-19	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002909100
##	324	2020-11-20	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002911100
##	325	2020-11-21	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.002984340
##	326	2020-11-22	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.003506590
##	327	2020-11-23	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.003329310
##	328	2020-11-24	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.003644630
##	329	2020-11-25	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.004199890
##	330	2020-11-26	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.003726990
##	331	2020-11-27	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.003250270
##	332	2020-11-28	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.003275080
##	333	2020-11-29	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.003404820
##	334	2020-11-30	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.003447510
##	335	2020-12-01	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.003551360
##	336	2020-12-02	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.003334870
##	337	2020-12-03	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.003375180
##	338	2020-12-04	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.003428580
##	339	2020-12-05	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.003297140

##	340	2020-12-06	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.003396770
##	341	2020-12-07	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.003388200
##	342	2020-12-08	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.003343070
##	343	2020-12-09	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.003178890
##	344	2020-12-10	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.003158200
##	345	2020-12-11	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.003104750
##	346	2020-12-12	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.003079020
##	347	2020-12-13	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.003163580
##	348	2020-12-14	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.003255820
##	349	2020-12-15	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.003230410
##	350	2020-12-16	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.003205490
##	351	2020-12-17	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.003416160
##	352	2020-12-18	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.003730330
##	353	2020-12-19	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.003858500
##	354	2020-12-20	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.003926060
##	355	2020-12-21	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.004626810
##	356	2020-12-22	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.004784480
##	357	2020-12-23	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.004507820
##	358	2020-12-24	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.003767820
##	359	2020-12-25	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.004569940
##	360	2020-12-26	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.004580960
##	361	2020-12-27	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.004493450
##	362	2020-12-28	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.004547730
##	363	2020-12-29	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.004592130
##	364	2020-12-30	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.004486610
##	365	2020-12-31	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.004635510
##	366	2021-01-01	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.004680940
##	367	2021-01-02	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.005686410
##	368	2021-01-03	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.010602430
##	369	2021-01-04	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.009784500
##	370	2021-01-05	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.009766880
##	371	2021-01-06	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.009922970
##	372	2021-01-07	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.010453760
##	373	2021-01-08	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.009743400
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##	376	2021-01-11	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.009857980
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##	379	2021-01-14	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.008618630
##	380	2021-01-15	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.009388770
##	381	2021-01-16	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.009366650
##	382	2021-01-17	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.009263000
##	383	2021-01-18	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.009069620
##	384	2021-01-19	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.009172440
##	385	2021-01-20	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.009096040
##	386	2021-01-21	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.009062000
##	387	2021-01-22	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.008164620
##	388	2021-01-23	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.008519650
##	389	2021-01-24	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.008578340
##	390	2021-01-25	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.008726860
##	391	2021-01-26	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.008382000
##	392	2021-01-27	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.008255380
##	393	2021-01-28	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.007480610



##	394	2021-01-29	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.043733720
##	395	2021-01-30	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.046802560
##	396	2021-01-31	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.028190510
##	397	2021-02-01	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.037053590
##	398	2021-02-02	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.034910330
##	399	2021-02-03	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.031493160
##	400	2021-02-04	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.037225740
##	401	2021-02-05	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.053043230
##	402	2021-02-06	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.046931040
##	403	2021-02-07	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.057501610
##	404	2021-02-08	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.078352450
##	405	2021-02-09	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.078772600
##	406	2021-02-10	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.070110550
##	407	2021-02-11	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.072844310
##	408	2021-02-12	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.069650160
##	409	2021-02-13	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.070024600
##	410	2021-02-14	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.066448420
##	411	2021-02-15	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.062568320
##	412	2021-02-16	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.056487500
##	413	2021-02-17	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.053522250
##	414	2021-02-18	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.049363320
##	415	2021-02-19	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.059434020
##	416	2021-02-20	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.055132050
##	417	2021-02-21	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.054368710
##	418	2021-02-22	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.056044150
##	419	2021-02-23	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.053698440
##	420	2021-02-24	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.047414420
##	421	2021-02-25	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.056614600
##	422	2021-02-26	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.050138100
##	423	2021-02-27	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.050499890
##	424	2021-02-28	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.050097230
##	425	2021-03-01	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.048070080
##	426	2021-03-02	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.050596120
##	427	2021-03-03	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.050278000
##	428	2021-03-04	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.050587180
##	429	2021-03-05	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.050027890
##	430	2021-03-06	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.049600740
##	431	2021-03-07	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.050980040
##	432	2021-03-08	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.052122520
##	433	2021-03-09	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.062104130
##	434	2021-03-10	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.057964330
##	435	2021-03-11	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.055977150
##	436	2021-03-12	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.055920920
##	437	2021-03-13	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.055352520
##	438	2021-03-14	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.062383580
##	439	2021-03-15	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.058530790
##	440	2021-03-16	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.057085770
##	441	2021-03-17	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.058609540
##	442	2021-03-18	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.057639900
##	443	2021-03-19	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.057377170
##	444	2021-03-20	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.058314700
##	445	2021-03-21	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.058970360
##	446	2021-03-22	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.057258680
##	447	2021-03-23	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.054941370

##	448	2021-03-24	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.053527810
##	449	2021-03-25	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.051698550
##	450	2021-03-26	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.051433460
##	451	2021-03-27	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.053940310
##	452	2021-03-28	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.054380840
##	453	2021-03-29	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.053678080
##	454	2021-03-30	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.054051720
##	455	2021-03-31	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.053902360
##	456	2021-04-01	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.053654650
##	457	2021-04-02	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.061967770
##	458	2021-04-03	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.057658470
##	459	2021-04-04	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.055775930
##	460	2021-04-05	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.057410920
##	461	2021-04-06	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.059689410
##	462	2021-04-07	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.064454410
##	463	2021-04-08	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.059035610
##	464	2021-04-09	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.061462550
##	465	2021-04-10	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.061591230
##	466	2021-04-11	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.063749340
##	467	2021-04-12	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.074544430
##	468	2021-04-13	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.070677740
##	469	2021-04-14	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.094255630
##	470	2021-04-15	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.121167010
##	471	2021-04-16	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.181587310
##	472	2021-04-17	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.366098220
##	473	2021-04-18	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.285104920
##	474	2021-04-19	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.320466250
##	475	2021-04-20	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.408434770
##	476	2021-04-21	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.316952810
##	477	2021-04-22	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.305990350
##	478	2021-04-23	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.261022590
##	479	2021-04-24	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.249544190
##	480	2021-04-25	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.269789400
##	481	2021-04-26	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.251240090
##	482	2021-04-27	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.271426570
##	483	2021-04-28	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.272272630
##	484	2021-04-29	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.323232370
##	485	2021-04-30	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.304702320
##	486	2021-05-01	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.337558680
##	487	2021-05-02	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.391087190
##	488	2021-05-03	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.373631450
##	489	2021-05-04	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.440273940
##	490	2021-05-05	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.537355140
##	491	2021-05-06	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.652842410
##	492	2021-05-07	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.581109700
##	493	2021-05-08	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.687801470
##	494	2021-05-09	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.635820320
##	495	2021-05-10	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.569687080
##	496	2021-05-11	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.450487670
##	497	2021-05-12	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.493742150
##	498	2021-05-13	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.392175990
##	499	2021-05-14	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.487070050
##	500	2021-05-15	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.559668420
##	501	2021-05-16	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.507909860

##	502	2021-05-17	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.513413050
##	503	2021-05-18	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.486953510
##	504	2021-05-19	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.476435340
##	505	2021-05-20	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.330252200
##	506	2021-05-21	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.398123710
##	507	2021-05-22	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.358716670
##	508	2021-05-23	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.342521790
##	509	2021-05-24	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.306715320
##	510	2021-05-25	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.366041280
##	511	2021-05-26	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.346396160
##	512	2021-05-27	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.353462910
##	513	2021-05-28	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.333650930
##	514	2021-05-29	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.311398110
##	515	2021-05-30	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.302969430
##	516	2021-05-31	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.301948580
##	517	2021-06-01	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.325744410
##	518	2021-06-02	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.370301940
##	519	2021-06-03	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.423739280
##	520	2021-06-04	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.400981940
##	521	2021-06-05	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.376752150
##	522	2021-06-06	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.371676400
##	523	2021-06-07	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.371566340
##	524	2021-06-08	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.331821770
##	525	2021-06-09	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.326423430
##	526	2021-06-10	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.343339290
##	527	2021-06-11	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.326364000
##	528	2021-06-12	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.318893340
##	529	2021-06-13	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.312484620
##	530	2021-06-14	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.323902770
##	531	2021-06-15	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.326785200
##	532	2021-06-16	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.320377760
##	533	2021-06-17	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.307749120
##	534	2021-06-18	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.306427880
##	535	2021-06-19	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.293648770
##	536	2021-06-20	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.286394400
##	537	2021-06-21	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.280659740
##	538	2021-06-22	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.178682290
##	539	2021-06-23	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.190671430
##	540	2021-06-24	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.234969750
##	541	2021-06-25	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.263480250
##	542	2021-06-26	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.237673280
##	543	2021-06-27	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.246045470
##	544	2021-06-28	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.264918290
##	545	2021-06-29	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.257060590
##	546	2021-06-30	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.263417390
##	547	2021-07-01	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.253828020
##	548	2021-07-02	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.243982170
##	549	2021-07-03	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.245105580
##	550	2021-07-04	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.246424780
##	551	2021-07-05	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.246419070
##	552	2021-07-06	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.231216170
##	553	2021-07-07	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.234301000
##	554	2021-07-08	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.224383370
##	555	2021-07-09	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.207073040

##	556	2021-07-10	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.219845680
##	557	2021-07-11	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.213887080
##	558	2021-07-12	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.216010170
##	559	2021-07-13	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.208009220
##	560	2021-07-14	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.199978270
##	561	2021-07-15	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.197749440
##	562	2021-07-16	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.185238210
##	563	2021-07-17	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.172117680
##	564	2021-07-18	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.186840840
##	565	2021-07-19	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.181817930
##	566	2021-07-20	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.173762630
##	567	2021-07-21	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.170526870
##	568	2021-07-22	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.190479520
##	569	2021-07-23	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.191358800
##	570	2021-07-24	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.194823060
##	571	2021-07-25	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.197172500
##	572	2021-07-26	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.198029580
##	573	2021-07-27	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.203835740
##	574	2021-07-28	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.206110970
##	575	2021-07-29	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.205590900
##	576	2021-07-30	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.205022740
##	577	2021-07-31	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.208638180
##	578	2021-08-01	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.207753490
##	579	2021-08-02	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.204279200
##	580	2021-08-03	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.203430640
##	581	2021-08-04	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.196312100
##	582	2021-08-05	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.201574870
##	583	2021-08-06	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.200959880
##	584	2021-08-07	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.204845920
##	585	2021-08-08	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.261955910
##	586	2021-08-09	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.240121880
##	587	2021-08-10	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.256366350
##	588	2021-08-11	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.257423660
##	589	2021-08-12	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.264852890
##	590	2021-08-13	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.264248980
##	591	2021-08-14	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.286801470
##	592	2021-08-15	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.294086150
##	593	2021-08-16	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.340165410
##	594	2021-08-17	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.319631380
##	595	2021-08-18	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.299203300
##	596	2021-08-19	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.303375940
##	597	2021-08-20	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.317570890
##	598	2021-08-21	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.327395260
##	599	2021-08-22	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.317084930
##	600	2021-08-23	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.314926420
##	601	2021-08-24	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.318385570
##	602	2021-08-25	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.289218090
##	603	2021-08-26	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.292794110
##	604	2021-08-27	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.268819440
##	605	2021-08-28	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.294631270
##	606	2021-08-29	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.285862820
##	607	2021-08-30	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.281233110
##	608	2021-08-31	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.271878230
##	609	2021-09-01	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.278061890

##	610	2021-09-02	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.294392610
##	611	2021-09-03	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.294753630
##	612	2021-09-04	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.296068060
##	613	2021-09-05	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.299324440
##	614	2021-09-06	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.314314800
##	615	2021-09-07	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.308950810
##	616	2021-09-08	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.254265580
##	617	2021-09-09	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.250361500
##	618	2021-09-10	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.252584610
##	619	2021-09-11	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.239826310
##	620	2021-09-12	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.241328970
##	621	2021-09-13	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.250623800
##	622	2021-09-14	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.236062901
##	623	2021-09-15	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.240590367
##	624	2021-09-16	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.247541878
##	625	2021-09-17	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.242097959
##	626	2021-09-18	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.239927755
##	627	2021-09-19	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.241280957
##	628	2021-09-20	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.233160818
##	629	2021-09-21	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.208772503
##	630	2021-09-22	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.200822450
##	631	2021-09-23	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.224748482
##	632	2021-09-24	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.224726272
##	633	2021-09-25	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.209348359
##	634	2021-09-26	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.208729811
##	635	2021-09-27	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.205240649
##	636	2021-09-28	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.200000651
##	637	2021-09-29	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.196980393
##	638	2021-09-30	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.198868511
##	639	2021-10-01	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.204426982
##	640	2021-10-02	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.222741497
##	641	2021-10-03	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.218811207
##	642	2021-10-04	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.221929577
##	643	2021-10-05	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.241239706
##	644	2021-10-06	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.252007615
##	645	2021-10-07	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.254340454
##	646	2021-10-08	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.243022906
##	647	2021-10-09	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.243495353
##	648	2021-10-10	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.246571995
##	649	2021-10-11	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.229449895
##	650	2021-10-12	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.231524606
##	651	2021-10-13	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.226174918
##	652	2021-10-14	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.232560940
##	653	2021-10-15	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.232643747
##	654	2021-10-16	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.233880760
##	655	2021-10-17	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.237192527
##	656	2021-10-18	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.237805870
##	657	2021-10-19	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.247378466
##	658	2021-10-20	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.245502362
##	659	2021-10-21	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.254793048
##	660	2021-10-22	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.242479057
##	661	2021-10-23	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.244514357
##	662	2021-10-24	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.251431620
##	663	2021-10-25	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.275745188

##	664	2021-10-26	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.264782778
##	665	2021-10-27	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.255836251
##	666	2021-10-28	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.237380654
##	667	2021-10-29	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.299964150
##	668	2021-10-30	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.287763678
##	669	2021-10-31	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.269238513
##	670	2021-11-01	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.280122678
##	671	2021-11-02	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.271891923
##	672	2021-11-03	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.273504405
##	673	2021-11-04	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.269111762
##	674	2021-11-05	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.263654807
##	675	2021-11-06	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.261263884
##	676	2021-11-07	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.261970930
##	677	2021-11-08	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.266727786
##	678	2021-11-09	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.282539144
##	679	2021-11-10	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.273597427
##	680	2021-11-11	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.255704856
##	681	2021-11-12	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.260937062
##	682	2021-11-13	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.259618107
##	683	2021-11-14	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.261590552
##	684	2021-11-15	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.262870017
##	685	2021-11-16	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.257094256
##	686	2021-11-17	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.237009698
##	687	2021-11-18	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.237556049
##	688	2021-11-19	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.220994817
##	689	2021-11-20	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.233174036
##	690	2021-11-21	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.233254864
##	691	2021-11-22	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.226160242
##	692	2021-11-23	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.219666010
##	693	2021-11-24	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.226679546
##	694	2021-11-25	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.217132007
##	695	2021-11-26	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.221047340
##	696	2021-11-27	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.201428520
##	697	2021-11-28	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.205295316
##	698	2021-11-29	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.207443571
##	699	2021-11-30	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.215111235
##	700	2021-12-01	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.214486796
##	701	2021-12-02	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.209476252
##	702	2021-12-03	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.209462657
##	703	2021-12-04	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.200355791
##	704	2021-12-05	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.178262651
##	705	2021-12-06	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.171382799
##	706	2021-12-07	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.178374422
##	707	2021-12-08	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.176608620
##	708	2021-12-09	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.178961217
##	709	2021-12-10	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.169466072
##	710	2021-12-11	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.164498675
##	711	2021-12-12	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.168903533
##	712	2021-12-13	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.169879556
##	713	2021-12-14	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.157464567
##	714	2021-12-15	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.191143550
##	715	2021-12-16	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.181171344
##	716	2021-12-17	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.173380855
##	717	2021-12-18	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.169100192

##	718	2021-12-19	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.172532627
##	719	2021-12-20	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.169523069
##	720	2021-12-21	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.167098125
##	721	2021-12-22	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.171129467
##	722	2021-12-23	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.173208743
##	723	2021-12-24	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.184979350
##	724	2021-12-25	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.186711637
##	725	2021-12-26	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.190567372
##	726	2021-12-27	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.189985773
##	727	2021-12-28	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.187846870
##	728	2021-12-29	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.174094879
##	729	2021-12-30	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.168137475
##	730	2021-12-31	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.171316615
##	731	2022-01-01	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.170510482
##	732	2022-01-02	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.173026847
##	733	2022-01-03	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.174406019
##	734	2022-01-04	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.170151290
##	735	2022-01-05	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.168834623
##	736	2022-01-06	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.159436008
##	737	2022-01-07	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.160204547
##	738	2022-01-08	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.155030747
##	739	2022-01-09	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.151959201
##	740	2022-01-10	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.151072786
##	741	2022-01-11	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.143350738
##	742	2022-01-12	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.153458158
##	743	2022-01-13	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.161561869
##	744	2022-01-14	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.172052514
##	745	2022-01-15	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.183643920
##	746	2022-01-16	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.185092763
##	747	2022-01-17	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.177187232
##	748	2022-01-18	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.171086476
##	749	2022-01-19	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.165485057
##	750	2022-01-20	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.162346364
##	751	2022-01-21	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.155263315
##	752	2022-01-22	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.142650922
##	753	2022-01-23	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.132959938
##	754	2022-01-24	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.141881106
##	755	2022-01-25	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.137783579
##	756	2022-01-26	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.143014159
##	757	2022-01-27	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.143755860
##	758	2022-01-28	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.141244080
##	759	2022-01-29	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.141649487
##	760	2022-01-30	23:59:59	74	dogecoin	Dogecoin	DOGE	USD	0.143057227
##		high	low	close	volume	market_cap	time_open		
##	1	0.002110007	0.001983124	0.002008643	65071106	246518479	2020-01-02		
##	2	0.002177209	0.001990922	0.002145376	62619988	263328862	2020-01-03		
##	3	0.002489779	0.002049937	0.002241144	94227582	275114093	2020-01-04		
##	4	0.002491296	0.002116777	0.002419075	52631740	296989930	2020-01-05		
##	5	0.002563552	0.002378505	0.002462966	54562409	302412673	2020-01-06		
##	6	0.002496801	0.002353610	0.002432763	52767343	298738083	2020-01-07		
##	7	0.002465177	0.002265449	0.002292894	77251526	281594191	2020-01-08		
##	8	0.002314182	0.002145303	0.002256095	70690571	277106183	2020-01-09		
##	9	0.002360578	0.002199064	0.002355722	87683356	289375371	2020-01-10		
##	10	0.002372904	0.002295645	0.002313559	94203409	284228141	2020-01-11		

## 11	0.002412745	0.002312906	0.002380681	79426215	292507504	2020-01-12
## 12	0.002406591	0.002327062	0.002357752	83849846	289722805	2020-01-13
## 13	0.002514452	0.002340072	0.002470019	128635383	303552342	2020-01-14
## 14	0.002541363	0.002363101	0.002368673	128940321	291129905	2020-01-15
## 15	0.002423745	0.002293386	0.002344843	98124199	288233513	2020-01-16
## 16	0.002516305	0.002310490	0.002489898	117752841	306098384	2020-01-17
## 17	0.002537920	0.002452454	0.002507053	108133943	308242055	2020-01-18
## 18	0.002569967	0.002359251	0.002405036	108085147	295732371	2020-01-19
## 19	0.002423205	0.002358557	0.002374056	92022277	291955767	2020-01-20
## 20	0.002402673	0.002335021	0.002376430	84321565	292280593	2020-01-21
## 21	0.002398756	0.002320486	0.002323446	82852580	285795825	2020-01-22
## 22	0.002357853	0.002238143	0.002267636	91866620	278962448	2020-01-23
## 23	0.002293265	0.002210845	0.002275864	86865882	280006237	2020-01-24
## 24	0.002276228	0.002235246	0.002257336	82421399	277757847	2020-01-25
## 25	0.002306579	0.002239578	0.002304631	73458474	283609273	2020-01-26
## 26	0.002412843	0.002282611	0.002367672	89023414	291399495	2020-01-27
## 27	0.002449631	0.002362596	0.002449574	91528771	301513933	2020-01-28
## 28	0.002471278	0.002389703	0.002389703	80676219	294177532	2020-01-29
## 29	0.002446220	0.002370656	0.002440406	83967914	300452707	2020-01-30
## 30	0.002458362	0.002368659	0.002393568	76519295	294719511	2020-01-31
## 31	0.002430717	0.002382002	0.002422040	78730830	298258839	2020-02-01
## 32	0.002505936	0.002394598	0.002468476	91552515	304011347	2020-02-02
## 33	0.002517122	0.002427054	0.002439852	78856631	300519839	2020-02-03
## 34	0.002503301	0.002401536	0.002503301	89790002	308369226	2020-02-04
## 35	0.002629593	0.002492208	0.002581992	105741619	318098840	2020-02-05
## 36	0.002677326	0.002573903	0.002653085	108711614	326893710	2020-02-06
## 37	0.002770450	0.002646988	0.002768733	130273878	341181361	2020-02-07
## 38	0.003208615	0.002722267	0.003158599	203803814	389267351	2020-02-08
## 39	0.003530908	0.003152104	0.003232262	218861527	398390042	2020-02-09
## 40	0.003302791	0.002904480	0.002986307	195582003	368116092	2020-02-10
## 41	0.003085167	0.002864185	0.003040721	169747135	374865845	2020-02-11
## 42	0.003172610	0.003013126	0.003092775	181406960	381325935	2020-02-12
## 43	0.003215978	0.002973128	0.003025894	168543942	373121830	2020-02-13
## 44	0.003146980	0.002981177	0.003129847	140849233	385983126	2020-02-14
## 45	0.003180644	0.002838743	0.002919570	144726029	360091410	2020-02-15
## 46	0.002964556	0.002625615	0.002774344	149831933	342218087	2020-02-16
## 47	0.002771883	0.002547447	0.002712306	149622002	334603231	2020-02-17
## 48	0.002845878	0.002655134	0.002839305	144188844	350309552	2020-02-18
## 49	0.002873943	0.002624076	0.002624076	136889052	323790854	2020-02-19
## 50	0.002673150	0.002568986	0.002658767	187866681	328108479	2020-02-20
## 51	0.002703058	0.002613891	0.002648282	157652567	326850965	2020-02-21
## 52	0.002655380	0.002577236	0.002601417	156145895	321103020	2020-02-22
## 53	0.002682321	0.002596275	0.002680245	180747902	330869855	2020-02-23
## 54	0.002686613	0.002556681	0.002589575	159143744	319712946	2020-02-24
## 55	0.002590885	0.002436173	0.002476182	178541404	305747427	2020-02-25
## 56	0.002486949	0.002211191	0.002339206	201370789	288866739	2020-02-26
## 57	0.002403197	0.002297826	0.002323815	162813946	286998185	2020-02-27
## 58	0.002373119	0.002226134	0.002288663	153544453	282688554	2020-02-28
## 59	0.002320265	0.002230487	0.002234765	146635830	276061992	2020-02-29
## 60	0.002296805	0.002223281	0.002274739	162437207	281031073	2020-03-01
## 61	0.002370240	0.002255807	0.002348606	165788612	290189207	2020-03-02
## 62	0.002525224	0.002316310	0.002499260	174988479	308838197	2020-03-03
## 63	0.002507540	0.002367058	0.002398018	144601436	296360514	2020-03-04
## 64	0.002530700	0.002395044	0.002505808	104912777	309716479	2020-03-05



## 65	0.002517150	0.002447188	0.002495689	100268192	308500233	2020-03-06
## 66	0.002512568	0.002400884	0.002404551	88138038	297267547	2020-03-07
## 67	0.002407633	0.002184370	0.002186929	101738284	270393758	2020-03-08
## 68	0.002235784	0.002107441	0.002214386	137033008	273818706	2020-03-09
## 69	0.002262536	0.002165793	0.002206570	115431584	272882610	2020-03-10
## 70	0.002227559	0.002099047	0.002183620	107425626	270074772	2020-03-11
## 71	0.002187526	0.001535080	0.001537197	167892774	190144934	2020-03-12
## 72	0.001799202	0.001247057	0.001737828	218676976	214986092	2020-03-13
## 73	0.001784422	0.001639614	0.001665741	113389101	206091390	2020-03-14
## 74	0.001818886	0.001654611	0.001685257	119811060	208529247	2020-03-15
## 75	0.001699158	0.001453167	0.001587194	134329668	196417176	2020-03-16
## 76	0.001677396	0.001558155	0.001587378	102697604	196461668	2020-03-17
## 77	0.001611746	0.001552319	0.001565583	102196814	193785698	2020-03-18
## 78	0.001843785	0.001561729	0.001773246	251888350	219514141	2020-03-19
## 79	0.001930732	0.001678746	0.001772574	188170528	219455536	2020-03-20
## 80	0.001850775	0.001693215	0.001784542	166141811	220961924	2020-03-21
## 81	0.001867561	0.001718740	0.001730896	161287088	214343344	2020-03-22
## 82	0.001816687	0.001691959	0.001804578	166551897	223492494	2020-03-23
## 83	0.001912435	0.001799354	0.001850777	177134005	229239745	2020-03-24
## 84	0.001889828	0.001799169	0.001833944	163367839	227179862	2020-03-25
## 85	0.001871639	0.001827059	0.001841567	162455890	228149691	2020-03-26
## 86	0.001868345	0.001804254	0.001807071	166326062	223900764	2020-03-27
## 87	0.001808221	0.001716230	0.001777816	169979142	220300504	2020-03-28
## 88	0.001804771	0.001717398	0.001723252	156619235	213563007	2020-03-29
## 89	0.001867746	0.001717490	0.001831039	163244392	226946377	2020-03-30
## 90	0.001850678	0.001804503	0.001810937	156195510	224479953	2020-03-31
## 91	0.001867188	0.001775524	0.001866659	163418627	231413177	2020-04-01
## 92	0.001939643	0.001850155	0.001882090	165879605	233351815	2020-04-02
## 93	0.001916284	0.001833735	0.001853061	161121845	229778126	2020-04-03
## 94	0.001909776	0.001841223	0.001880419	160849686	233196515	2020-04-04
## 95	0.001909143	0.001846823	0.001865086	152557918	231320500	2020-04-05
## 96	0.001983391	0.001851712	0.001980099	173173223	245612628	2020-04-06
## 97	0.002029680	0.001934258	0.001997306	129399793	247774783	2020-04-07
## 98	0.002043564	0.001959888	0.002011800	116283369	249600633	2020-04-08
## 99	0.002033070	0.001984696	0.002021473	109954538	250828570	2020-04-09
## 100	0.002022506	0.001891240	0.001968189	122108790	244243874	2020-04-10
## 101	0.002004237	0.001941157	0.001989686	161367396	246938787	2020-04-11
## 102	0.002009194	0.001951122	0.001990097	169892709	247017403	2020-04-12
## 103	0.001990456	0.001894260	0.001958876	167357650	243169532	2020-04-13
## 104	0.001979913	0.001934892	0.001964467	188937615	243890207	2020-04-14
## 105	0.001975295	0.001906349	0.001940491	169903672	240940084	2020-04-15
## 106	0.002028586	0.001886337	0.002027667	179859738	251792238	2020-04-16
## 107	0.002029272	0.001991798	0.002013174	161550208	250020333	2020-04-17
## 108	0.002062120	0.002007111	0.002060898	168186509	255975738	2020-04-18
## 109	0.002072862	0.002027870	0.002058282	172576560	255679214	2020-04-19
## 110	0.002065764	0.001961573	0.001982187	169715146	246254197	2020-04-20
## 111	0.002031931	0.001952370	0.001971493	163652750	244952725	2020-04-21
## 112	0.002032869	0.001964145	0.002010761	163753943	249859466	2020-04-22
## 113	0.002123026	0.002004609	0.002047119	179000350	254405732	2020-04-23
## 114	0.002120595	0.002041782	0.002102750	209562151	261348176	2020-04-24
## 115	0.002145939	0.002086867	0.002141520	229810398	266196402	2020-04-25
## 116	0.002444473	0.002135906	0.002409088	287859775	299489108	2020-04-26
## 117	0.002414223	0.002307854	0.002354876	276033020	292782251	2020-04-27
## 118	0.002371896	0.002322100	0.002338884	254905520	290826200	2020-04-28

## 119	0.002541755	0.002330617	0.002517110	295698249	313022241	2020-04-29
## 120	0.002689114	0.002391751	0.002442857	298563815	303821692	2020-04-30
## 121	0.002559113	0.002441366	0.002493909	282886977	310205841	2020-05-01
## 122	0.002553058	0.002472634	0.002549353	269155283	317137162	2020-05-02
## 123	0.002583141	0.002479769	0.002510334	265156925	312317540	2020-05-03
## 124	0.002518982	0.002389049	0.002481123	261454253	308717732	2020-05-04
## 125	0.002520764	0.002449375	0.002484344	245861118	309152819	2020-05-05
## 126	0.002582898	0.002473008	0.002529206	251393346	314770175	2020-05-06
## 127	0.002678080	0.002479158	0.002663812	284491226	331559201	2020-05-07
## 128	0.002671540	0.002594064	0.002625072	291757355	326773515	2020-05-08
## 129	0.002633915	0.002565471	0.002613270	294993696	325340680	2020-05-09
## 130	0.002612747	0.002360439	0.002459432	290801097	306205310	2020-05-10
## 131	0.002512412	0.002338202	0.002412809	277646033	300433958	2020-05-11
## 132	0.002513461	0.002405938	0.002462935	262934538	306709497	2020-05-12
## 133	0.002527768	0.002458276	0.002521013	265878080	313976983	2020-05-13
## 134	0.002623401	0.002512131	0.002574186	283778649	320635004	2020-05-14
## 135	0.002577046	0.002486776	0.002505799	261080156	312151063	2020-05-15
## 136	0.002534442	0.002483572	0.002512559	254666485	313027823	2020-05-16
## 137	0.002578046	0.002509276	0.002538118	258469067	316247229	2020-05-17
## 138	0.002586885	0.002513276	0.002543403	265626959	316941137	2020-05-18
## 139	0.002565003	0.002501247	0.002538296	182890489	316339809	2020-05-19
## 140	0.002563486	0.002487438	0.002507886	178925411	312584382	2020-05-20
## 141	0.002549264	0.002423399	0.002485169	200924557	309787051	2020-05-21
## 142	0.002543410	0.002472959	0.002533057	215355485	315791491	2020-05-22
## 143	0.002564587	0.002499272	0.002543928	208878705	317181977	2020-05-23
## 144	0.002561022	0.002451139	0.002457832	186657328	306481508	2020-05-24
## 145	0.002546220	0.002434998	0.002540116	214669452	316777418	2020-05-25
## 146	0.002542079	0.002472127	0.002486398	185485979	310112644	2020-05-26
## 147	0.002529210	0.002472067	0.002510132	186186772	313107923	2020-05-27
## 148	0.002558881	0.002494915	0.002523576	220213442	314819322	2020-05-28
## 149	0.002549220	0.002504401	0.002532307	200485433	315943383	2020-05-29
## 150	0.002625661	0.002522622	0.002615175	200708874	326318849	2020-05-30
## 151	0.002617446	0.002549245	0.002554573	188184731	318792346	2020-05-31
## 152	0.002661572	0.002552688	0.002646716	195748335	330327929	2020-06-01
## 153	0.002654944	0.002520203	0.002561239	200119264	319695395	2020-06-02
## 154	0.002598050	0.002545881	0.002582592	190021630	322396402	2020-06-03
## 155	0.002669208	0.002571431	0.002630605	194078582	328426404	2020-06-04
## 156	0.002633763	0.002580303	0.002595721	188846627	324106967	2020-06-05
## 157	0.002606100	0.002566200	0.002587172	175988365	323074953	2020-06-06
## 158	0.002609496	0.002558349	0.002606078	188151455	325471959	2020-06-07
## 159	0.002606617	0.002560818	0.002584205	187140783	322775863	2020-06-08
## 160	0.002587380	0.002516784	0.002568591	175910197	320861092	2020-06-09
## 161	0.002594658	0.002552949	0.002584192	182748021	322845887	2020-06-10
## 162	0.002602412	0.002429243	0.002452253	183212798	306396406	2020-06-11
## 163	0.002532695	0.002446635	0.002520163	194920048	314916066	2020-06-12
## 164	0.002540955	0.002500582	0.002533076	188981850	316564552	2020-06-13
## 165	0.002554069	0.002500830	0.002510551	173334481	313784645	2020-06-14
## 166	0.002515900	0.002407101	0.002479359	198803041	309919898	2020-06-15
## 167	0.002530135	0.002434263	0.002486804	196212619	310886939	2020-06-16
## 168	0.002492467	0.002457762	0.002484932	185083517	310685801	2020-06-17
## 169	0.002492722	0.002447286	0.002471628	171388606	309056651	2020-06-18
## 170	0.002471673	0.002429626	0.002434795	173280984	304484756	2020-06-19
## 171	0.002466021	0.002419296	0.002446724	158275082	306010372	2020-06-20
## 172	0.002477529	0.002441006	0.002446611	169917761	306030111	2020-06-21

## 173	0.002494630	0.002442622	0.002473655	173530825	309447065	2020-06-22
## 174	0.002492105	0.002456906	0.002484230	171604774	310804275	2020-06-23
## 175	0.002496719	0.002389340	0.002429678	178380748	304012446	2020-06-24
## 176	0.002433060	0.002390280	0.002417315	160003354	302499093	2020-06-25
## 177	0.002427135	0.002358505	0.002358781	151319087	295206725	2020-06-26
## 178	0.002378798	0.002294396	0.002312919	152534000	289498986	2020-06-27
## 179	0.002361266	0.002282779	0.002325524	172693834	291109078	2020-06-28
## 180	0.002341435	0.002301380	0.002312854	172655788	289555488	2020-06-29
## 181	0.002340263	0.002296961	0.002319550	165641131	290426014	2020-06-30
## 182	0.002375501	0.002301337	0.002353646	152549214	294727829	2020-07-01
## 183	0.002381902	0.002301601	0.002361377	110789127	295744265	2020-07-02
## 184	0.002366453	0.002304190	0.002315613	111575143	290044512	2020-07-03
## 185	0.002339736	0.002288520	0.002309379	109218071	289295827	2020-07-04
## 186	0.002327342	0.002276921	0.002308978	110140542	289277435	2020-07-05
## 187	0.002623589	0.002301971	0.002615560	132105139	327723523	2020-07-06
## 188	0.003259032	0.002599807	0.003089512	283970310	387151635	2020-07-07
## 189	0.005420016	0.003060783	0.004749833	1226813925	595274589	2020-07-08
## 190	0.005014203	0.004147976	0.004396830	511315527	551095461	2020-07-09
## 191	0.004393899	0.003437817	0.003514874	225424869	440600401	2020-07-10
## 192	0.003919759	0.003475731	0.003810960	155299369	477768832	2020-07-11
## 193	0.003843557	0.003613760	0.003629614	87562043	455084342	2020-07-12
## 194	0.003636164	0.003058778	0.003177542	143177055	398447402	2020-07-13
## 195	0.003369251	0.003060643	0.003294369	103213409	413143009	2020-07-14
## 196	0.003303491	0.003073933	0.003085182	69399827	386951871	2020-07-15
## 197	0.003097889	0.002892723	0.002994870	78457844	375666317	2020-07-16
## 198	0.003084181	0.002937053	0.003060711	74705371	383967367	2020-07-17
## 199	0.003628997	0.003030553	0.003472588	204080851	435685576	2020-07-18
## 200	0.003752735	0.003328850	0.003381860	116746163	424349867	2020-07-19
## 201	0.003433005	0.003166999	0.003239293	81038624	406505539	2020-07-20
## 202	0.003308746	0.003186912	0.003304616	77748189	414749066	2020-07-21
## 203	0.003304117	0.003221280	0.003285216	54443238	412342064	2020-07-22
## 204	0.003321173	0.003265052	0.003294708	58737115	413578575	2020-07-23
## 205	0.003322763	0.003177394	0.003219590	58910215	404193463	2020-07-24
## 206	0.003294937	0.003189278	0.003234015	63203396	406049052	2020-07-25
## 207	0.003269667	0.003184226	0.003234597	62592233	406166431	2020-07-26
## 208	0.003243147	0.003040215	0.003153323	83138808	396003960	2020-07-27
## 209	0.003218713	0.003132482	0.003197395	63084930	401583092	2020-07-28
## 210	0.003261893	0.003175311	0.003192399	55817191	400999634	2020-07-29
## 211	0.003244487	0.003163493	0.003231117	53506822	405907620	2020-07-30
## 212	0.003240434	0.003180957	0.003225361	54497306	405228598	2020-07-31
## 213	0.003796614	0.003203466	0.003688638	150687884	463485084	2020-08-01
## 214	0.003736038	0.003266186	0.003336063	101249531	419228839	2020-08-02
## 215	0.003441048	0.003308439	0.003388859	66931510	425910182	2020-08-03
## 216	0.003560762	0.003376262	0.003534677	74386428	444285519	2020-08-04
## 217	0.003576864	0.003484729	0.003512739	66465690	441575952	2020-08-05
## 218	0.003636403	0.003461382	0.003559998	62944678	447599583	2020-08-06
## 219	0.003611374	0.003424860	0.003532791	68990009	444227233	2020-08-07
## 220	0.003535941	0.003453244	0.003509704	62509900	441372650	2020-08-08
## 221	0.003532740	0.003429759	0.003463120	57020040	435562680	2020-08-09
## 222	0.003557305	0.003454337	0.003499479	68038181	440184390	2020-08-10
## 223	0.003570942	0.003346121	0.003394373	78539442	427010939	2020-08-11
## 224	0.003533807	0.003341325	0.003484440	70865885	438341326	2020-08-12
## 225	0.003549294	0.003365033	0.003516517	73302994	442425313	2020-08-13
## 226	0.003578774	0.003475898	0.003560813	61334640	448048011	2020-08-14

##	227	0.003606904	0.003499705	0.003539428	64309678	445406226	2020-08-15
##	228	0.003551535	0.003468733	0.003523562	52637926	443458495	2020-08-16
##	229	0.003718340	0.003500423	0.003591090	77628715	452006667	2020-08-17
##	230	0.003708903	0.003483009	0.003514000	62570291	442352423	2020-08-18
##	231	0.003538217	0.003368350	0.003423925	53306857	431060773	2020-08-19
##	232	0.003499473	0.003390308	0.003459208	43536656	435550928	2020-08-20
##	233	0.003553609	0.003389026	0.003393093	60621268	427273266	2020-08-21
##	234	0.003446580	0.003354266	0.003441999	44884852	433479976	2020-08-22
##	235	0.003452644	0.003387907	0.003414201	39485548	430026194	2020-08-23
##	236	0.003465356	0.003385736	0.003417941	46470522	430544251	2020-08-24
##	237	0.003434006	0.003239183	0.003304600	76826314	416312715	2020-08-25
##	238	0.003344689	0.003250936	0.003303347	80416711	416200661	2020-08-26
##	239	0.003314262	0.003165473	0.003202705	89847093	403564900	2020-08-27
##	240	0.003271128	0.003182018	0.003268459	64056957	411895611	2020-08-28
##	241	0.003300551	0.003241547	0.003282098	78149363	413659277	2020-08-29
##	242	0.003343830	0.003274076	0.003300054	79325829	415967943	2020-08-30
##	243	0.003307994	0.003203876	0.003220588	85369757	405995489	2020-08-31
##	244	0.003281199	0.003194043	0.003255985	81863764	410502859	2020-09-01
##	245	0.003266381	0.003065058	0.003122464	56647412	393723630	2020-09-02
##	246	0.003133536	0.002790257	0.002802429	59904548	353407912	2020-09-03
##	247	0.002957568	0.002752932	0.002898618	53434717	365578053	2020-09-04
##	248	0.002934344	0.002719785	0.002758261	62295889	347914351	2020-09-05
##	249	0.002813547	0.002703699	0.002786926	89557154	351568868	2020-09-06
##	250	0.002831905	0.002708333	0.002811462	102610335	354702877	2020-09-07
##	251	0.002833978	0.002700190	0.002755596	57144396	347692950	2020-09-08
##	252	0.002806838	0.002704247	0.002779059	77050464	350691174	2020-09-09
##	253	0.002859024	0.002752353	0.002805225	104276032	354031943	2020-09-10
##	254	0.002825051	0.002741617	0.002806183	134077501	354191866	2020-09-11
##	255	0.002830711	0.002781185	0.002818839	117125272	355828180	2020-09-12
##	256	0.002823667	0.002745543	0.002776135	124253232	350476176	2020-09-13
##	257	0.002842870	0.002741902	0.002802618	128520946	353858513	2020-09-14
##	258	0.002877883	0.002784896	0.002831752	100194174	357575916	2020-09-15
##	259	0.002858763	0.002790840	0.002825804	148555505	356864048	2020-09-16
##	260	0.002858616	0.002780722	0.002813512	161305349	355350720	2020-09-17
##	261	0.002824935	0.002748915	0.002804181	147868185	354211096	2020-09-18
##	262	0.002813603	0.002772554	0.002793719	147046520	352928507	2020-09-19
##	263	0.002806118	0.002721720	0.002777971	145951917	350976931	2020-09-20
##	264	0.002802292	0.002616047	0.002630322	78753428	332359050	2020-09-21
##	265	0.002671721	0.002603658	0.002656021	36467574	335642709	2020-09-22
##	266	0.002650920	0.002540170	0.002560450	79707709	323599428	2020-09-23
##	267	0.002649990	0.002535550	0.002628280	111915974	332209045	2020-09-24
##	268	0.002721480	0.002616480	0.002698490	124575712	341120228	2020-09-25
##	269	0.002752610	0.002678440	0.002716120	108180296	343387129	2020-09-26
##	270	0.002733930	0.002664190	0.002692060	76293172	340381383	2020-09-27
##	271	0.002739800	0.002639620	0.002652010	102662350	335353894	2020-09-28
##	272	0.002709540	0.002635760	0.002685410	109463113	339614379	2020-09-29
##	273	0.002685110	0.002617190	0.002630150	106684832	332662364	2020-09-30
##	274	0.002681510	0.002584330	0.002615840	116194992	330888014	2020-10-01
##	275	0.002628000	0.002539400	0.002583400	128239855	326820338	2020-10-02
##	276	0.002639600	0.002574110	0.002598830	116046378	328808013	2020-10-03
##	277	0.002681790	0.002589730	0.002634890	92364518	333407496	2020-10-04
##	278	0.002661600	0.002599210	0.002612380	127881032	330595649	2020-10-05
##	279	0.002627860	0.002573540	0.002611470	105669881	330516077	2020-10-06
##	280	0.002612200	0.002564960	0.002595180	125523508	328490146	2020-10-07

##	281	0.002630810	0.002560110	0.002595560	109356096	328573195	2020-10-08
##	282	0.002666760	0.002594690	0.002652530	100051523	335821980	2020-10-09
##	283	0.002715590	0.002654140	0.002654530	96632426	336111690	2020-10-10
##	284	0.002706110	0.002648960	0.002673630	107632465	338568241	2020-10-11
##	285	0.002707640	0.002628690	0.002673150	101246789	338543787	2020-10-12
##	286	0.002676530	0.002626690	0.002635100	76963142	333761625	2020-10-13
##	287	0.002653170	0.002617770	0.002637110	87293434	334052394	2020-10-14
##	288	0.002650530	0.002569160	0.002592650	83794207	328454705	2020-10-15
##	289	0.002615630	0.002557450	0.002612070	117882236	330951793	2020-10-16
##	290	0.002612180	0.002572600	0.002581110	125692391	327064296	2020-10-17
##	291	0.002601050	0.002576530	0.002586490	72298803	327781395	2020-10-18
##	292	0.002618540	0.002572120	0.002589760	91049562	328231586	2020-10-19
##	293	0.002623380	0.002580550	0.002600930	65577101	329683335	2020-10-20
##	294	0.002657410	0.002593680	0.002630320	45017115	333445208	2020-10-21
##	295	0.002688560	0.002624400	0.002655020	44976453	336576292	2020-10-22
##	296	0.002691160	0.002636540	0.002646900	46856082	335619978	2020-10-23
##	297	0.002653160	0.002623720	0.002645500	44797614	335479644	2020-10-24
##	298	0.002676350	0.002624410	0.002653140	58532388	336485100	2020-10-25
##	299	0.002892830	0.002635650	0.002678530	122152251	339741433	2020-10-26
##	300	0.002708310	0.002629580	0.002676650	78927089	339540412	2020-10-27
##	301	0.002697400	0.002574610	0.002594990	72848720	329216495	2020-10-28
##	302	0.002622850	0.002517720	0.002580660	58929515	327434298	2020-10-29
##	303	0.002606960	0.002533040	0.002598360	63444097	329715649	2020-10-30
##	304	0.002603240	0.002555880	0.002575940	56189318	326906027	2020-10-31
##	305	0.002590350	0.002561380	0.002581750	45528682	327678835	2020-11-01
##	306	0.002592120	0.002515200	0.002517120	50142376	319510588	2020-11-02
##	307	0.002530330	0.002452350	0.002527620	62871653	320878482	2020-11-03
##	308	0.002558230	0.002496860	0.002533280	52552651	321632249	2020-11-04
##	309	0.002638840	0.002495560	0.002616850	31611963	332278228	2020-11-05
##	310	0.002801200	0.002608280	0.002759890	54267546	350479044	2020-11-06
##	311	0.002819150	0.002611900	0.002670680	44610219	339187040	2020-11-07
##	312	0.002741730	0.002657700	0.002710640	22754531	344300015	2020-11-08
##	313	0.002786360	0.002662670	0.002669530	28124348	339114621	2020-11-09
##	314	0.002851410	0.002654950	0.002753410	39633173	349808435	2020-11-10
##	315	0.002837050	0.002753370	0.002768960	33138759	351821931	2020-11-11
##	316	0.002791240	0.002747030	0.002779010	24028261	353134919	2020-11-12
##	317	0.002835870	0.002777140	0.002821450	29217750	358567478	2020-11-13
##	318	0.002821450	0.002721320	0.002773000	30334380	352447343	2020-11-14
##	319	0.002813440	0.002739050	0.002775410	25131683	352792281	2020-11-15
##	320	0.003009160	0.002757410	0.002885790	52063283	366863172	2020-11-16
##	321	0.002975830	0.002885730	0.002935880	46631464	373272247	2020-11-17
##	322	0.002999170	0.002854760	0.002909020	49460064	369897280	2020-11-18
##	323	0.002959670	0.002867890	0.002911040	40330643	370193342	2020-11-19
##	324	0.003010780	0.002908230	0.002984340	57656465	379556538	2020-11-20
##	325	0.003548930	0.002984340	0.003506590	162641694	446026143	2020-11-21
##	326	0.003660370	0.003181390	0.003329300	121660410	423521332	2020-11-22
##	327	0.003647970	0.003231650	0.003647970	101561039	464109149	2020-11-23
##	328	0.004204340	0.003579150	0.004203660	266716036	534864218	2020-11-24
##	329	0.004256300	0.003641540	0.003726720	174459927	474231349	2020-11-25
##	330	0.003793480	0.002979940	0.003249820	175520294	413589433	2020-11-26
##	331	0.003355460	0.003092540	0.003275210	92323023	416865856	2020-11-27
##	332	0.003469610	0.003247460	0.003404870	58033650	433416826	2020-11-28
##	333	0.003530100	0.003357940	0.003447780	46319972	438924852	2020-11-29
##	334	0.003580390	0.003414250	0.003550890	68622736	452099967	2020-11-30

## 335	0.003572020	0.003269290	0.003334700	80163603	424620891	2020-12-01
## 336	0.003436390	0.003292890	0.003374360	58705661	429717482	2020-12-02
## 337	0.003499780	0.003351930	0.003427610	47907032	436544288	2020-12-03
## 338	0.003446500	0.003285130	0.003298110	45062222	420098206	2020-12-04
## 339	0.003414280	0.003268130	0.003396870	43386583	432723096	2020-12-05
## 340	0.003442180	0.003343260	0.003388400	40936574	431691746	2020-12-06
## 341	0.003400240	0.003320010	0.003342330	36923814	425868467	2020-12-07
## 342	0.003360630	0.003137790	0.003179340	52702701	405143760	2020-12-08
## 343	0.003181700	0.003015990	0.003158110	45746722	402483350	2020-12-09
## 344	0.003164700	0.003066050	0.003104600	33740988	395706348	2020-12-10
## 345	0.003109670	0.003008780	0.003078800	41712942	392459836	2020-12-11
## 346	0.003183970	0.003074870	0.003163090	35466155	403248567	2020-12-12
## 347	0.003274130	0.003153340	0.003255870	37464323	415120510	2020-12-13
## 348	0.003278970	0.003199100	0.003230790	36238516	411966098	2020-12-14
## 349	0.003250170	0.003178040	0.003205770	37127782	408820668	2020-12-15
## 350	0.003421880	0.003186090	0.003416290	50989880	435715185	2020-12-16
## 351	0.004112930	0.003405980	0.003729800	172736659	475751449	2020-12-17
## 352	0.003969780	0.003618380	0.003858220	101799430	492185489	2020-12-18
## 353	0.004018430	0.003810240	0.003926750	98447179	500981993	2020-12-19
## 354	0.004677530	0.003826940	0.004624660	508066004	590086989	2020-12-20
## 355	0.005405760	0.004363080	0.004787460	664160057	610925197	2020-12-21
## 356	0.004842550	0.004369910	0.004507820	239288785	575304225	2020-12-22
## 357	0.004735170	0.003639830	0.003767660	205080908	480893678	2020-12-23
## 358	0.004577290	0.003697050	0.004570460	143405580	583425690	2020-12-24
## 359	0.004613160	0.004394610	0.004582010	136819917	584963464	2020-12-25
## 360	0.004639800	0.004422940	0.004493670	151728507	573747738	2020-12-26
## 361	0.004804750	0.004428510	0.004547710	154526399	580710699	2020-12-27
## 362	0.004716270	0.004523390	0.004591770	99641525	586399767	2020-12-28
## 363	0.004607850	0.004277530	0.004486470	90876497	573014174	2020-12-29
## 364	0.004703000	0.004452700	0.004635510	94834499	592113775	2020-12-30
## 365	0.004743470	0.004552810	0.004682250	85498337	598149001	2020-12-31
## 366	0.005684960	0.004615280	0.005684960	228961515	726323311	2021-01-01
## 367	0.013698150	0.005583860	0.010614510	3421562680	1356280740	2021-01-02
## 368	0.013866550	0.009409410	0.009770520	2707003608	1248577459	2021-01-03
## 369	0.011421020	0.007877530	0.009767190	1372398979	1248286672	2021-01-04
## 370	0.010218560	0.008971840	0.009920400	687256067	1268003964	2021-01-05
## 371	0.010854210	0.009684920	0.010465140	749915516	1337772240	2021-01-06
## 372	0.010531970	0.009162410	0.009742440	520644706	1245523630	2021-01-07
## 373	0.010285480	0.008986160	0.009846370	394462164	1258947804	2021-01-08
## 374	0.010740160	0.009740380	0.010194160	485842353	1303561985	2021-01-09
## 375	0.010867240	0.009176810	0.009859590	458583519	1260915514	2021-01-10
## 376	0.009857980	0.006770140	0.008834530	637956958	1129945722	2021-01-11
## 377	0.009144510	0.007904270	0.008062870	333308457	1031361130	2021-01-12
## 378	0.008646130	0.007787330	0.008616350	240079033	1102277644	2021-01-13
## 379	0.010029920	0.008349080	0.009396730	428369039	1202240980	2021-01-14
## 380	0.009796440	0.008459750	0.009369030	398965925	1198824805	2021-01-15
## 381	0.009531360	0.009140070	0.009264650	258630480	1185597169	2021-01-16
## 382	0.009366680	0.008841400	0.009066510	254487989	1160366066	2021-01-17
## 383	0.009295420	0.008980640	0.009171100	205025648	1173880970	2021-01-18
## 384	0.009613330	0.009019920	0.009098200	249242632	1164676216	2021-01-19
## 385	0.009152880	0.008528980	0.009060090	220205442	1159923229	2021-01-20
## 386	0.009089360	0.008061440	0.008166320	215419839	1045611058	2021-01-21
## 387	0.008769210	0.007654320	0.008523500	185490003	1091461748	2021-01-22
## 388	0.008807990	0.008388480	0.008579120	154393737	1098702727	2021-01-23

##	389	0.008950970	0.008515820	0.008727080	162191977	1117773115	2021-01-24
##	390	0.008878910	0.008276010	0.008382930	180820875	1073809066	2021-01-25
##	391	0.008455500	0.008021610	0.008254580	161173749	1057483330	2021-01-26
##	392	0.008259410	0.007293560	0.007481500	204797186	958548726	2021-01-27
##	393	0.034176590	0.007351420	0.034083560	10971544561	4367344237	2021-01-28
##	394	0.077973250	0.032340540	0.047161570	25403310432	6043762706	2021-01-29
##	395	0.049901360	0.022488320	0.028175920	8735576553	3611147492	2021-01-30
##	396	0.045288510	0.027101780	0.037196210	8548997882	4767745805	2021-01-31
##	397	0.043250000	0.033366880	0.034874680	6319224026	4470660189	2021-02-01
##	398	0.034925700	0.029194590	0.031520250	3090896595	4041088459	2021-02-02
##	399	0.039105170	0.031146230	0.037120030	3146856788	4759532731	2021-02-03
##	400	0.057868780	0.035944770	0.053289330	13040837601	6833498776	2021-02-04
##	401	0.053739730	0.043539770	0.046934730	6136160058	6019284098	2021-02-05
##	402	0.058307860	0.044903570	0.057594720	5946101275	7387203762	2021-02-06
##	403	0.084357160	0.054239300	0.078781790	14261024073	10105792829	2021-02-07
##	404	0.084945060	0.064701630	0.078825110	12844375210	10112456103	2021-02-08
##	405	0.083127700	0.065620900	0.070069570	7348840814	8990202084	2021-02-09
##	406	0.081091090	0.068525450	0.072896310	6785088422	9353895799	2021-02-10
##	407	0.074301400	0.068290160	0.069675850	3818556739	8941609529	2021-02-11
##	408	0.072610180	0.061445010	0.070068530	4190843784	8992978136	2021-02-12
##	409	0.071646250	0.066135110	0.066449530	2618049766	8529400211	2021-02-13
##	410	0.066448420	0.056723070	0.062536970	3984667628	8028048754	2021-02-14
##	411	0.063923750	0.048547370	0.056590870	4944804938	7265519863	2021-02-15
##	412	0.059667520	0.050982870	0.053520250	3409478696	6872026263	2021-02-16
##	413	0.054982630	0.048033870	0.049375630	2976148723	6340534302	2021-02-17
##	414	0.061799310	0.048989330	0.059541290	4551943638	7646763727	2021-02-18
##	415	0.059496590	0.054314580	0.055139340	2949251418	7082160843	2021-02-19
##	416	0.060285690	0.051628420	0.054384460	3175468554	6985943091	2021-02-20
##	417	0.058428310	0.053555870	0.055979830	2450293068	7191635972	2021-02-21
##	418	0.060466050	0.047096220	0.053725150	3366757324	6902725620	2021-02-22
##	419	0.053768280	0.042410350	0.047392050	2394345361	6089686351	2021-02-23
##	420	0.059872910	0.046215900	0.056555410	4148511571	7267918251	2021-02-24
##	421	0.057808270	0.049869170	0.050167340	2356982022	6447664671	2021-02-25
##	422	0.052472100	0.048707790	0.050479860	1694323466	6488523369	2021-02-26
##	423	0.051919560	0.049296850	0.050082900	1286229526	6438192652	2021-02-27
##	424	0.050133930	0.045087530	0.048051510	1408101260	6177710994	2021-02-28
##	425	0.051478690	0.048029130	0.050598660	1494427207	6505875328	2021-03-01
##	426	0.052381740	0.049299150	0.050262210	1346282318	6463312203	2021-03-02
##	427	0.052126220	0.050078210	0.050592070	1093877445	6506425615	2021-03-03
##	428	0.051086730	0.047878870	0.050048430	1170617084	6437196942	2021-03-04
##	429	0.050853790	0.048146760	0.049608510	1173113591	6381297708	2021-03-05
##	430	0.052396530	0.049382610	0.050984290	1480482384	6558965902	2021-03-06
##	431	0.052140900	0.050572260	0.052121740	945455832	6706005852	2021-03-07
##	432	0.061949280	0.051672180	0.061949280	3554150800	7971280044	2021-03-08
##	433	0.062267770	0.056051340	0.057998230	2466159943	7463686738	2021-03-09
##	434	0.058616150	0.054691980	0.056003950	1534489620	7207816086	2021-03-10
##	435	0.056698070	0.054502120	0.055917860	1233383425	7197497882	2021-03-11
##	436	0.056979720	0.054512910	0.055348930	1287767221	7125032152	2021-03-12
##	437	0.062431980	0.054756210	0.062431980	1869833076	8037692870	2021-03-13
##	438	0.063052450	0.058591900	0.058591900	2752132530	7544115603	2021-03-14
##	439	0.059689070	0.055140740	0.057087680	1738710876	7351218571	2021-03-15
##	440	0.058920730	0.055493200	0.058607400	1393771913	7547720122	2021-03-16
##	441	0.058866100	0.056471260	0.057653130	861926643	7425583380	2021-03-17
##	442	0.058828420	0.054142890	0.057382770	909777445	7391550949	2021-03-18

##	443	0.059721370	0.056604340	0.058328360	964747809	7514154611	2021-03-19
##	444	0.060639360	0.058120320	0.058960630	1012934488	7596414495	2021-03-20
##	445	0.059521170	0.056797610	0.057234260	759592996	7374772308	2021-03-21
##	446	0.057731620	0.054908740	0.054961600	696918565	7082689335	2021-03-22
##	447	0.056081230	0.052939640	0.053555580	1040781777	6902245900	2021-03-23
##	448	0.056494020	0.051241630	0.051701750	934537959	6664029763	2021-03-24
##	449	0.052406570	0.049697110	0.051448480	1084214116	6632093766	2021-03-25
##	450	0.054028470	0.051331410	0.053951580	776280028	6955497857	2021-03-26
##	451	0.055434560	0.053527780	0.054377090	753844053	7011100665	2021-03-27
##	452	0.054752000	0.053013260	0.053698410	460472975	6924335588	2021-03-28
##	453	0.054650750	0.053175070	0.054051640	537919140	6970630600	2021-03-29
##	454	0.055434220	0.053696960	0.053900390	728906171	6951867440	2021-03-30
##	455	0.054468420	0.052269410	0.053657280	653389282	6921249082	2021-03-31
##	456	0.070110520	0.053644250	0.061986060	5816046822	7996434168	2021-04-01
##	457	0.062248530	0.057333300	0.057663780	2166925111	7439646120	2021-04-02
##	458	0.059483590	0.055803600	0.055803600	1136931403	7200412904	2021-04-03
##	459	0.058106630	0.055294560	0.057403700	938035097	7407664648	2021-04-04
##	460	0.060153490	0.056435070	0.059695930	1513832721	7704287493	2021-04-05
##	461	0.065049960	0.058094220	0.064458230	2608613912	8319797961	2021-04-06
##	462	0.067299360	0.057641440	0.059028470	2857060849	7619768371	2021-04-07
##	463	0.061745460	0.058817330	0.061463850	1055257541	7934992305	2021-04-08
##	464	0.063909830	0.060296080	0.061683750	1060465774	7964226155	2021-04-09
##	465	0.065068350	0.060818430	0.063844920	1369793118	8244132101	2021-04-10
##	466	0.079243030	0.063202680	0.074648930	6646627317	9640258366	2021-04-11
##	467	0.074986110	0.068888700	0.070766870	2687720380	9139899746	2021-04-12
##	468	0.095181190	0.070677740	0.093444690	7176815090	12070137895	2021-04-13
##	469	0.142509810	0.092451760	0.121517360	20977679327	15697925271	2021-04-14
##	470	0.187326270	0.120735970	0.182207440	17916620386	23540494382	2021-04-15
##	471	0.437700070	0.180488030	0.365870020	69410680685	47274068218	2021-04-16
##	472	0.374454680	0.236523740	0.284173440	31413404067	36722073277	2021-04-17
##	473	0.349918340	0.246440260	0.320475330	23464350388	41417581076	2021-04-18
##	474	0.431751300	0.309079540	0.407317780	30641432779	52646623418	2021-04-19
##	475	0.422346650	0.271617800	0.319499670	28130646191	41300434109	2021-04-20
##	476	0.346965570	0.297035810	0.306924510	12723463706	39679105903	2021-04-21
##	477	0.308756500	0.256276030	0.260967320	11879823706	33741377335	2021-04-22
##	478	0.268377650	0.163668600	0.248509330	16165566164	32134070797	2021-04-23
##	479	0.289389860	0.229891270	0.270212260	11057578568	34944176235	2021-04-24
##	480	0.288770980	0.226300980	0.251110840	6849914675	32477418138	2021-04-25
##	481	0.280451730	0.248025950	0.270674490	5118886527	35011409694	2021-04-26
##	482	0.279628810	0.264928270	0.272188300	3590611310	35210893019	2021-04-27
##	483	0.344662330	0.256231110	0.323681630	14464343767	41876610359	2021-04-28
##	484	0.323880570	0.296904430	0.305169380	5027354503	39485786704	2021-04-29
##	485	0.339756550	0.302980880	0.337561110	5290390982	43681559535	2021-04-30
##	486	0.397135470	0.328290230	0.392987430	10123343703	50860335491	2021-05-01
##	487	0.400028780	0.364873660	0.376046100	8040406918	48672985630	2021-05-02
##	488	0.445566930	0.373631450	0.441706710	10526649978	57177802914	2021-05-03
##	489	0.605997870	0.400799640	0.541334380	38238126181	70081925802	2021-05-04
##	490	0.695262190	0.523822100	0.657632880	42525098292	85147176077	2021-05-05
##	491	0.663615760	0.545102060	0.580803870	18989900291	75207782074	2021-05-06
##	492	0.731971540	0.520174120	0.684776980	28615083657	88680824303	2021-05-07
##	493	0.737566600	0.608167720	0.636439180	25555125135	82429781487	2021-05-08
##	494	0.697624890	0.425705680	0.570070490	46138063928	73841942943	2021-05-09
##	495	0.569687080	0.421291320	0.449963670	16514521828	58290605343	2021-05-10
##	496	0.546650730	0.445034210	0.495230860	14566975476	64161634641	2021-05-11



##	497	0.519975030	0.385376020	0.385376020	8621337859	49932901319	2021-05-12
##	498	0.519460950	0.357174630	0.490373940	18663174069	63544125614	2021-05-13
##	499	0.589689880	0.464621990	0.559604380	20466177002	72522897885	2021-05-14
##	500	0.562675820	0.491299420	0.507972050	9836892944	65838461456	2021-05-15
##	501	0.548145350	0.451023250	0.514895210	9541552064	66742824282	2021-05-16
##	502	0.515221460	0.458551060	0.487891650	7330830504	63249211418	2021-05-17
##	503	0.515598820	0.470384240	0.476115010	4802902841	61729644541	2021-05-18
##	504	0.684734510	0.218267010	0.333123450	15072620946	43194982873	2021-05-19
##	505	0.433192080	0.296252720	0.400193680	12415484460	51897302336	2021-05-20
##	506	0.411974550	0.314766160	0.359381920	7452862203	46609753575	2021-05-21
##	507	0.360516990	0.318168840	0.342371230	5243222352	44408253680	2021-05-22
##	508	0.350862830	0.249437220	0.308070630	7143545371	39963404929	2021-05-23
##	509	0.371485110	0.296290740	0.366162230	6821088755	47504120043	2021-05-24
##	510	0.380010170	0.323497210	0.346301950	5544552739	44932307822	2021-05-25
##	511	0.365919730	0.338857320	0.353693070	3355793260	45896157271	2021-05-26
##	512	0.353462910	0.328144050	0.332945310	2485942309	43208473793	2021-05-27
##	513	0.347878810	0.301517950	0.311204870	3289455640	40391360016	2021-05-28
##	514	0.317918500	0.281792550	0.303109710	2470710737	39344899569	2021-05-29
##	515	0.310324340	0.287680160	0.302223590	1929947933	39232589726	2021-05-30
##	516	0.329162850	0.294330170	0.325810450	2440829325	42298953606	2021-05-31
##	517	0.383078650	0.312359600	0.370076550	5796031087	48050998401	2021-06-01
##	518	0.444590000	0.352588140	0.423373530	11425588479	54976914119	2021-06-02
##	519	0.440762950	0.378819180	0.399962890	6809900030	51942452228	2021-06-03
##	520	0.400981940	0.351442320	0.376322550	5889983048	48877461705	2021-06-04
##	521	0.393885810	0.360488130	0.372177400	3464039041	48345164969	2021-06-05
##	522	0.376798230	0.367253930	0.371807080	1836611411	48302113586	2021-06-06
##	523	0.379677590	0.329806180	0.331049940	3043974994	43011807788	2021-06-07
##	524	0.341435010	0.296660060	0.327686510	3918487504	42579375329	2021-06-08
##	525	0.353762000	0.313131470	0.343330930	3154332929	44616868086	2021-06-09
##	526	0.344528560	0.323278130	0.326350700	2114010549	42414763171	2021-06-10
##	527	0.333222660	0.311501800	0.319359180	1834446577	41510465777	2021-06-11
##	528	0.319331760	0.301803580	0.312083610	1605633791	40569059978	2021-06-12
##	529	0.330025750	0.307892100	0.324381770	1484851447	42172193662	2021-06-13
##	530	0.336926660	0.320086560	0.332084790	1613812023	43173647089	2021-06-14
##	531	0.330495030	0.316975690	0.328381220	1687965230	42701157582	2021-06-15
##	532	0.321392520	0.305484510	0.307761190	1391720788	40024275630	2021-06-16
##	533	0.314010570	0.303315830	0.306495650	1120766442	39863941887	2021-06-17
##	534	0.307751550	0.280480820	0.293472210	1846213589	38174078175	2021-06-18
##	535	0.297803150	0.286188940	0.287355780	1003248258	37382435534	2021-06-19
##	536	0.289726590	0.256466600	0.280900310	1963503800	36545750822	2021-06-20
##	537	0.280888910	0.166490530	0.178691170	5640232166	23250576500	2021-06-21
##	538	0.216121610	0.164653790	0.191030650	5992850344	24858743142	2021-06-22
##	539	0.247110370	0.180979410	0.232173510	5098674891	30217348680	2021-06-23
##	540	0.268689540	0.222526950	0.262782290	3844648059	34205589763	2021-06-24
##	541	0.289145320	0.230005650	0.239152930	5542163262	31131171916	2021-06-25
##	542	0.255126670	0.230972110	0.244783900	2649457302	31867533719	2021-06-26
##	543	0.266891350	0.240894350	0.264449680	2167521670	34431598886	2021-06-27
##	544	0.266982120	0.250761780	0.256856700	1932994784	33446496885	2021-06-28
##	545	0.274939640	0.252987630	0.262768840	2192562738	34221491748	2021-06-29
##	546	0.263537800	0.238267830	0.254215370	2047763830	33111043725	2021-06-30
##	547	0.260091850	0.238676810	0.244549480	2463946548	31852848923	2021-07-01
##	548	0.247996790	0.238848330	0.245263820	1321470954	31949253278	2021-07-02
##	549	0.250213830	0.242454410	0.246410990	917015819	32104908915	2021-07-03
##	550	0.252566650	0.243425060	0.246483010	973511519	32117665811	2021-07-04

##	551	0.246419070	0.227838040	0.231614420	1267949362	30183443827	2021-07-05
##	552	0.241909810	0.229841530	0.234421760	1265920169	30552518424	2021-07-06
##	553	0.237851140	0.222575650	0.224126440	1148903688	29213771029	2021-07-07
##	554	0.224930070	0.202987080	0.207597060	1789637577	27062076763	2021-07-08
##	555	0.229138610	0.196606680	0.219864430	3045790264	28663595549	2021-07-09
##	556	0.227680820	0.210745200	0.213919850	1264519098	27891519500	2021-07-10
##	557	0.218745030	0.210931280	0.215855690	719870047	28147268916	2021-07-11
##	558	0.218965090	0.204505900	0.208047650	973602708	27131951860	2021-07-12
##	559	0.208061820	0.198163030	0.200003320	1035890377	26085611532	2021-07-13
##	560	0.204482730	0.187752070	0.197323890	1319171299	25738852158	2021-07-14
##	561	0.200839990	0.180786240	0.184888130	1044558931	24119278080	2021-07-15
##	562	0.188321970	0.171612410	0.172345270	1144730187	22485395253	2021-07-16
##	563	0.204937440	0.169230090	0.186124580	2393120423	24285670257	2021-07-17
##	564	0.195787790	0.180886100	0.182233270	1424484163	23780392196	2021-07-18
##	565	0.183949770	0.170711940	0.173555660	1084816777	22650379923	2021-07-19
##	566	0.178894950	0.160727670	0.170800500	1809479230	22293165688	2021-07-20
##	567	0.214210200	0.168718990	0.190348750	4433688120	24847259523	2021-07-21
##	568	0.196404480	0.186664290	0.191302850	1629442360	24973475960	2021-07-22
##	569	0.199531010	0.183540060	0.194764380	1447257649	25428016014	2021-07-23
##	570	0.204369260	0.191343950	0.197319130	1695867808	25764256256	2021-07-24
##	571	0.200450880	0.191696910	0.197863690	1256116971	25838253837	2021-07-25
##	572	0.232766760	0.197062680	0.204418960	4863225852	26697377236	2021-07-26
##	573	0.209292610	0.195350210	0.205898860	2229903212	26892542421	2021-07-27
##	574	0.213746140	0.202010890	0.205391630	2076707890	26829420693	2021-07-28
##	575	0.206355050	0.200715740	0.204618770	1169322798	26731261931	2021-07-29
##	576	0.210643010	0.196534860	0.208820510	1523981522	27283032724	2021-07-30
##	577	0.214344810	0.204896650	0.208314110	1349212924	27219722411	2021-07-31
##	578	0.217611480	0.201389480	0.204437240	1711494501	26715951375	2021-08-01
##	579	0.209959250	0.202188430	0.203599770	1181469976	26609268619	2021-08-02
##	580	0.205077240	0.193750120	0.195966800	1121632377	25614379878	2021-08-03
##	581	0.203110120	0.194450380	0.201490140	1095300718	26338112359	2021-08-04
##	582	0.202512540	0.194685050	0.200974290	1139204754	26273456617	2021-08-05
##	583	0.211755780	0.198617250	0.204687950	1332579279	26761760343	2021-08-06
##	584	0.261990440	0.203772030	0.260341430	6343062404	34041721738	2021-08-07
##	585	0.281378970	0.235347500	0.240044970	6984782653	31391121979	2021-08-08
##	586	0.266265120	0.231410310	0.256896870	4607903346	33598450961	2021-08-09
##	587	0.262791480	0.245351940	0.257324880	3424415504	33657993935	2021-08-10
##	588	0.282482240	0.256382120	0.265262750	4732068476	34699880782	2021-08-11
##	589	0.294141860	0.252775110	0.263921090	5264857508	34527992953	2021-08-12
##	590	0.287187540	0.261907140	0.286808010	3565092106	37526158135	2021-08-13
##	591	0.298455640	0.277153960	0.293112780	4677579997	38355126381	2021-08-14
##	592	0.348722310	0.287063120	0.341441160	8046171669	44683830216	2021-08-15
##	593	0.350952980	0.310827590	0.320715190	6681324187	41975879555	2021-08-16
##	594	0.339461890	0.295763420	0.299441900	5699700481	39195683497	2021-08-17
##	595	0.324227090	0.282016260	0.303738780	6347995770	39762275951	2021-08-18
##	596	0.319017580	0.294088430	0.317143710	3760495939	41522413508	2021-08-19
##	597	0.333222760	0.314142050	0.327490900	3512291078	42880471225	2021-08-20
##	598	0.329356340	0.315432970	0.316797240	2600396651	41484604093	2021-08-21
##	599	0.321540960	0.306546180	0.314962940	2237836352	41248734626	2021-08-22
##	600	0.328093910	0.313368440	0.317913990	2836628655	41639590274	2021-08-23
##	601	0.319756830	0.277776520	0.288738870	3143768703	37822315546	2021-08-24
##	602	0.296815350	0.279995300	0.292225600	2518743227	38285607715	2021-08-25
##	603	0.296001620	0.265312800	0.268909120	2410285454	35233146562	2021-08-26
##	604	0.294844670	0.265392370	0.294432620	2382150423	38581365942	2021-08-27

##	605	0.299170120	0.283272600	0.285628990	1534807298	37431722049	2021-08-28
##	606	0.291663250	0.277485550	0.281125450	1473623363	36844303305	2021-08-29
##	607	0.289559080	0.270374820	0.272124500	1748987269	35668338011	2021-08-30
##	608	0.285819470	0.270046690	0.278453300	1745967018	36501701126	2021-08-31
##	609	0.294889360	0.273525980	0.294400850	1937809622	38596297313	2021-09-01
##	610	0.309227370	0.292010360	0.295955410	2981069411	38804148951	2021-09-02
##	611	0.304494160	0.288541210	0.296273350	2384046931	38849891033	2021-09-03
##	612	0.308730700	0.293341950	0.299387890	2263193245	39262373462	2021-09-04
##	613	0.315008810	0.296582160	0.314527450	2393033527	41252120932	2021-09-05
##	614	0.319750580	0.300451220	0.308765320	2611846129	40500682556	2021-09-06
##	615	0.311029540	0.216527450	0.253743540	5653327525	33286919896	2021-09-07
##	616	0.263289920	0.234863870	0.257112920	3226346052	33733354641	2021-09-08
##	617	0.259557970	0.249270060	0.252595620	1763183557	33144164827	2021-09-09
##	618	0.261622410	0.235908600	0.239981570	1840815800	31492303153	2021-09-10
##	619	0.248017830	0.238486520	0.241431930	1196337689	31685950201	2021-09-11
##	620	0.254794070	0.239232620	0.250616520	1419288866	32894764663	2021-09-12
##	621	0.252031190	0.228911170	0.235906057	1759116002	30967125431	2021-09-13
##	622	0.241677767	0.233961733	0.240709052	967948743	31600960341	2021-09-14
##	623	0.248322333	0.239214777	0.247696967	980188820	32521833772	2021-09-15
##	624	0.247733395	0.233851670	0.242554758	1140048496	31850013222	2021-09-16
##	625	0.259535047	0.238025845	0.239929925	2246768047	31508621022	2021-09-17
##	626	0.247328389	0.238227628	0.241386169	999151515	31703190100	2021-09-18
##	627	0.241285346	0.231336919	0.233142293	892763953	30623676762	2021-09-19
##	628	0.233606327	0.200022450	0.207070875	2244003542	27203107589	2021-09-20
##	629	0.218094124	0.198160882	0.201027301	1766963639	26411886849	2021-09-21
##	630	0.229422741	0.200224098	0.224858421	2016471206	29544423841	2021-09-22
##	631	0.227095003	0.218114819	0.224832299	1169581249	29544289996	2021-09-23
##	632	0.228267398	0.197719748	0.209451035	1883155313	27525951862	2021-09-24
##	633	0.212604199	0.204874788	0.208640221	1067132277	27422234955	2021-09-25
##	634	0.209068252	0.194488894	0.204961689	1147321467	26941578027	2021-09-26
##	635	0.209280519	0.200077542	0.200261620	838297166	26326505940	2021-09-27
##	636	0.202578893	0.196351703	0.196803522	866301240	25874539190	2021-09-28
##	637	0.204143642	0.195041662	0.198875733	926737135	26149714477	2021-09-29
##	638	0.205805890	0.197854732	0.204243778	916819792	26858356706	2021-09-30
##	639	0.224606657	0.201994137	0.223010183	1435469263	29329208155	2021-10-01
##	640	0.224954781	0.215493370	0.219133188	1166058975	28822319548	2021-10-02
##	641	0.226228425	0.215872211	0.221748148	1070267896	29169261268	2021-10-03
##	642	0.247924198	0.213284449	0.240852072	3684051106	31685535496	2021-10-04
##	643	0.267787219	0.233587725	0.252015557	4628329381	33157592575	2021-10-05
##	644	0.271509489	0.243095828	0.255133788	4659725421	33571360571	2021-10-06
##	645	0.256738773	0.239126870	0.242923256	2936116763	31967965605	2021-10-07
##	646	0.254763797	0.241691720	0.243851282	1952117191	32093380137	2021-10-08
##	647	0.251965633	0.241756719	0.246595538	1484990033	32457934031	2021-10-09
##	648	0.248663440	0.227857652	0.229804997	1466060853	30251025152	2021-10-10
##	649	0.239380678	0.225520713	0.231503460	1463611233	30477765029	2021-10-11
##	650	0.231718020	0.216447325	0.226242059	1881102059	29788167318	2021-10-12
##	651	0.233943024	0.221061028	0.232571970	1457486924	30624714119	2021-10-13
##	652	0.239880498	0.231496856	0.232272562	1337117776	30588468217	2021-10-14
##	653	0.243469287	0.225749559	0.233781721	1837803539	30790379743	2021-10-15
##	654	0.244447281	0.233683305	0.237291895	1541850812	31255918528	2021-10-16
##	655	0.241972921	0.226380290	0.237897635	1397143121	31338963692	2021-10-17
##	656	0.271393999	0.237487891	0.247280940	5003365533	32578462312	2021-10-18
##	657	0.254610854	0.240650908	0.245788216	1675967829	32385126269	2021-10-19
##	658	0.261554541	0.242383578	0.254092987	1853058770	33482738012	2021-10-20

##	659	0.258260723	0.242273294	0.242391052	1742570934	31943997846	2021-10-21
##	660	0.252772317	0.236471893	0.244220910	1829875043	32188474500	2021-10-22
##	661	0.253140297	0.241589298	0.251732527	1502684867	33181970119	2021-10-23
##	662	0.281935205	0.246028105	0.277048048	5278760541	36522677816	2021-10-24
##	663	0.279471777	0.260219725	0.264706959	3364560707	34901100603	2021-10-25
##	664	0.274317481	0.253721211	0.255731654	2513384162	33721240629	2021-10-26
##	665	0.263316824	0.220327875	0.237689634	5022822846	31345412555	2021-10-27
##	666	0.338842925	0.233334167	0.300446508	20359592492	39625626101	2021-10-28
##	667	0.306312153	0.279771084	0.287852672	5866664030	37968488518	2021-10-29
##	668	0.294647012	0.259887706	0.268344960	3637334331	35399026232	2021-10-30
##	669	0.284707385	0.252614160	0.280244448	4224104205	36972572650	2021-10-31
##	670	0.285551112	0.264089389	0.271727768	2784956027	35852731431	2021-11-01
##	671	0.280685764	0.267597342	0.273121318	2336414476	36040264986	2021-11-02
##	672	0.277104099	0.263978743	0.269406785	2091380862	35553771397	2021-11-03
##	673	0.270864905	0.254711227	0.263280324	1902957818	34748832408	2021-11-04
##	674	0.270788736	0.257887888	0.261465344	1559898586	34512857268	2021-11-05
##	675	0.267697173	0.250521142	0.261898116	1353526462	34573523025	2021-11-06
##	676	0.269848673	0.258966955	0.266314610	1155873526	35160145471	2021-11-07
##	677	0.296531584	0.264917961	0.282358550	4093381450	37282199615	2021-11-08
##	678	0.289667559	0.271752326	0.273526498	2353452396	36119765787	2021-11-09
##	679	0.276988638	0.238030448	0.255708534	2820521435	33768684076	2021-11-10
##	680	0.269964827	0.253283237	0.261166689	1628781435	34493067258	2021-11-11
##	681	0.268437212	0.249457133	0.259414382	1563007446	34265081095	2021-11-12
##	682	0.262251459	0.254540351	0.261706051	923837904	34571355008	2021-11-13
##	683	0.271256774	0.260274821	0.262911505	1264556615	34734180476	2021-11-14
##	684	0.265169890	0.256366879	0.256528942	1028469310	33894398677	2021-11-15
##	685	0.257094256	0.226394219	0.237249305	2248804980	31350283911	2021-11-16
##	686	0.240905729	0.232858967	0.237487295	1543405154	31384994445	2021-11-17
##	687	0.241090967	0.216098547	0.221382636	1860661769	29259708950	2021-11-18
##	688	0.236832361	0.216517822	0.233109946	1296123511	30812818409	2021-11-19
##	689	0.235953206	0.225450706	0.233023933	805305660	30804609035	2021-11-20
##	690	0.233349731	0.225679854	0.226328225	751789838	29922574810	2021-11-21
##	691	0.227530836	0.216897587	0.219675664	921753721	29046082288	2021-11-22
##	692	0.236201219	0.214566332	0.226512379	1907278849	29953124652	2021-11-23
##	693	0.230244517	0.211836359	0.221825132	1957665360	29333301178	2021-11-24
##	694	0.228809990	0.214317013	0.216326162	1344826632	28609064079	2021-11-25
##	695	0.221758971	0.190344295	0.200887228	2231733479	26572754941	2021-11-26
##	696	0.209612737	0.200870873	0.205346867	917785649	27165443265	2021-11-27
##	697	0.207472298	0.193064100	0.207472298	1027555437	27449446664	2021-11-28
##	698	0.223691917	0.203251760	0.215175238	1869737827	28471528062	2021-11-29
##	699	0.226889795	0.213251136	0.214714512	1897635999	28413505414	2021-11-30
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##	702	0.211990886	0.193274197	0.199992698	1260948451	26473530912	2021-12-03
##	703	0.200562084	0.132826134	0.178853239	4388513696	23677691148	2021-12-04
##	704	0.181133224	0.162948918	0.171254838	1645331135	22674128031	2021-12-05
##	705	0.180526824	0.159557603	0.178400447	1896979202	23622619472	2021-12-06
##	706	0.183538984	0.175504768	0.176805480	1085087124	23413812864	2021-12-07
##	707	0.182167688	0.172629723	0.179150854	1014713070	23726781532	2021-12-08
##	708	0.181890481	0.169484223	0.169484223	1071039221	22448852702	2021-12-09
##	709	0.174609859	0.164064983	0.164421808	845450410	21780509219	2021-12-10
##	710	0.170080377	0.161816779	0.169018743	692929162	22391739981	2021-12-11
##	711	0.172899459	0.165898922	0.169890656	593132337	22509584243	2021-12-12
##	712	0.170615220	0.151995900	0.157564902	968464045	20878641253	2021-12-13

##	713	0.219632324	0.155447161	0.180157116	6411471551	23874710730	2021-12-14
##	714	0.191143550	0.171265874	0.181082193	2466135011	23999770133	2021-12-15
##	715	0.184933327	0.172654625	0.173454463	1057988990	22991185451	2021-12-16
##	716	0.176558566	0.162262589	0.169009830	1026719015	22404370137	2021-12-17
##	717	0.174873865	0.166243725	0.172399977	658993272	22856139975	2021-12-18
##	718	0.174378403	0.169381889	0.169576079	541018118	22484087906	2021-12-19
##	719	0.170833313	0.161497278	0.167321932	912233179	22187467083	2021-12-20
##	720	0.172340072	0.166108333	0.171175297	621397179	22700770658	2021-12-21
##	721	0.179585460	0.170054823	0.173213563	932537493	22973441291	2021-12-22
##	722	0.184521859	0.171739767	0.184490388	1184481683	24471601384	2021-12-23
##	723	0.195289624	0.179760832	0.186621673	1853415104	24756713055	2021-12-24
##	724	0.194875685	0.185571316	0.190657280	1010443046	25294647055	2021-12-25
##	725	0.192546380	0.185646383	0.190019780	650674078	25210069508	2021-12-26
##	726	0.192922785	0.187239224	0.187705425	666773423	24903022222	2021-12-27
##	727	0.187885478	0.172737936	0.174116994	954075337	23100234624	2021-12-28
##	728	0.177339201	0.166759636	0.167765348	823628336	22257556938	2021-12-29
##	729	0.175770558	0.165381262	0.171313359	599236772	22728274240	2021-12-30
##	730	0.175294048	0.167307388	0.170496186	644416694	22619859307	2021-12-31
##	731	0.173423041	0.170353423	0.173035374	371336089	22956735266	2022-01-01
##	732	0.175988698	0.171201429	0.174403016	391041933	23138181423	2022-01-02
##	733	0.174406019	0.168271013	0.170088173	505900382	22565727868	2022-01-03
##	734	0.172339466	0.168128244	0.168802501	541922892	22395156791	2022-01-04
##	735	0.170746647	0.151897590	0.159420262	994086848	21150408011	2022-01-05
##	736	0.161706174	0.155142217	0.160213153	715345645	21255601396	2022-01-06
##	737	0.160295007	0.151299303	0.155023184	969384523	20567044267	2022-01-07
##	738	0.157725211	0.147668639	0.151953616	584437036	20159802407	2022-01-08
##	739	0.153742095	0.149606676	0.151064873	408786249	20041892126	2022-01-09
##	740	0.152135394	0.139840479	0.143359382	763684873	19019598832	2022-01-10
##	741	0.164621061	0.142646900	0.153399498	1628447666	20351628612	2022-01-11
##	742	0.161651598	0.152095223	0.161651598	896008600	21446441060	2022-01-12
##	743	0.174791698	0.161561869	0.172042724	2301820074	22825039685	2022-01-13
##	744	0.203231944	0.171282855	0.183548594	5784004926	24351532220	2022-01-14
##	745	0.193599540	0.182675731	0.185102517	1878282290	24557692458	2022-01-15
##	746	0.185092763	0.175326814	0.177175558	1102750171	23506016726	2022-01-16
##	747	0.177872229	0.166890991	0.171145404	1094379303	22705991526	2022-01-17
##	748	0.173790024	0.162565040	0.165485150	979693368	21955041360	2022-01-18
##	749	0.168646869	0.160121761	0.162355501	935006164	21539828360	2022-01-19
##	750	0.168846398	0.155176455	0.155203801	469269658	20591006965	2022-01-20
##	751	0.157156034	0.141495811	0.142640198	1163061854	18924184094	2022-01-21
##	752	0.145027218	0.122816409	0.132892188	1693524581	17630908217	2022-01-22
##	753	0.143071848	0.132819177	0.141863277	1006234946	18821109378	2022-01-23
##	754	0.141950512	0.127220072	0.137797931	1446873574	18281756841	2022-01-24
##	755	0.147236118	0.133234770	0.143048736	1347567750	18978385083	2022-01-25
##	756	0.152603384	0.142151803	0.143788891	1253108115	19076582110	2022-01-26
##	757	0.145009573	0.136946681	0.141247344	608707586	18739393113	2022-01-27
##	758	0.142412737	0.138380185	0.141656267	506667466	18793645245	2022-01-28
##	759	0.143983821	0.141479697	0.143055683	397610776	18979306846	2022-01-29
##	760	0.143515091	0.138754270	0.139471163	363976741	18503745857	2022-01-30
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##	4	2020-01-05 23:59:59	2020-01-05 20:57:01	2020-01-05 01:23:01			
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## 8	2020-01-09	23:59:59	2020-01-09	20:28:00	2020-01-09	03:45:00
## 9	2020-01-10	23:59:59	2020-01-10	21:26:00	2020-01-10	09:34:01
## 10	2020-01-11	23:59:59	2020-01-11	23:22:02	2020-01-11	03:21:01
## 11	2020-01-12	23:59:59	2020-01-12	19:49:01	2020-01-12	00:00:00
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## 14	2020-01-15	23:59:59	2020-01-15	12:51:01	2020-01-15	23:45:01
## 15	2020-01-16	23:59:59	2020-01-16	01:17:01	2020-01-16	09:40:00
## 16	2020-01-17	23:59:59	2020-01-17	20:16:00	2020-01-17	00:32:01
## 17	2020-01-18	23:59:59	2020-01-18	18:02:01	2020-01-18	08:43:00
## 18	2020-01-19	23:59:59	2020-01-19	03:10:00	2020-01-19	21:01:01
## 19	2020-01-20	23:59:59	2020-01-20	22:51:01	2020-01-20	13:26:01
## 20	2020-01-21	23:59:59	2020-01-21	00:39:00	2020-01-21	20:00:00
## 21	2020-01-22	23:59:59	2020-01-22	00:39:00	2020-01-22	23:06:00
## 22	2020-01-23	23:59:59	2020-01-23	00:45:00	2020-01-23	21:08:00
## 23	2020-01-24	23:59:59	2020-01-24	19:42:00	2020-01-24	10:04:01
## 24	2020-01-25	23:59:59	2020-01-25	00:08:01	2020-01-25	12:01:01
## 25	2020-01-26	23:59:59	2020-01-26	23:56:00	2020-01-26	01:02:00
## 26	2020-01-27	23:59:59	2020-01-27	19:40:01	2020-01-27	08:59:01
## 27	2020-01-28	23:59:59	2020-01-28	08:55:00	2020-01-28	00:06:01
## 28	2020-01-29	23:59:59	2020-01-29	10:56:00	2020-01-29	23:59:00
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## 30	2020-01-31	23:59:59	2020-01-31	00:36:01	2020-01-31	15:00:02
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## 32	2020-02-02	23:59:59	2020-02-02	18:44:00	2020-02-02	02:15:03
## 33	2020-02-03	23:59:59	2020-02-03	01:41:00	2020-02-03	23:15:02
## 34	2020-02-04	23:59:59	2020-02-04	23:59:01	2020-02-04	14:47:00
## 35	2020-02-05	23:59:59	2020-02-05	19:42:02	2020-02-05	00:06:03
## 36	2020-02-06	23:59:59	2020-02-06	13:51:00	2020-02-06	01:02:01
## 37	2020-02-07	23:59:59	2020-02-07	23:57:00	2020-02-07	00:03:03
## 38	2020-02-08	23:59:59	2020-02-08	14:40:00	2020-02-08	03:58:01
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## 47	2020-02-17	23:59:59	2020-02-17	00:07:01	2020-02-17	14:36:00
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## 53	2020-02-23	23:59:59	2020-02-23	09:25:02	2020-02-23	00:16:01
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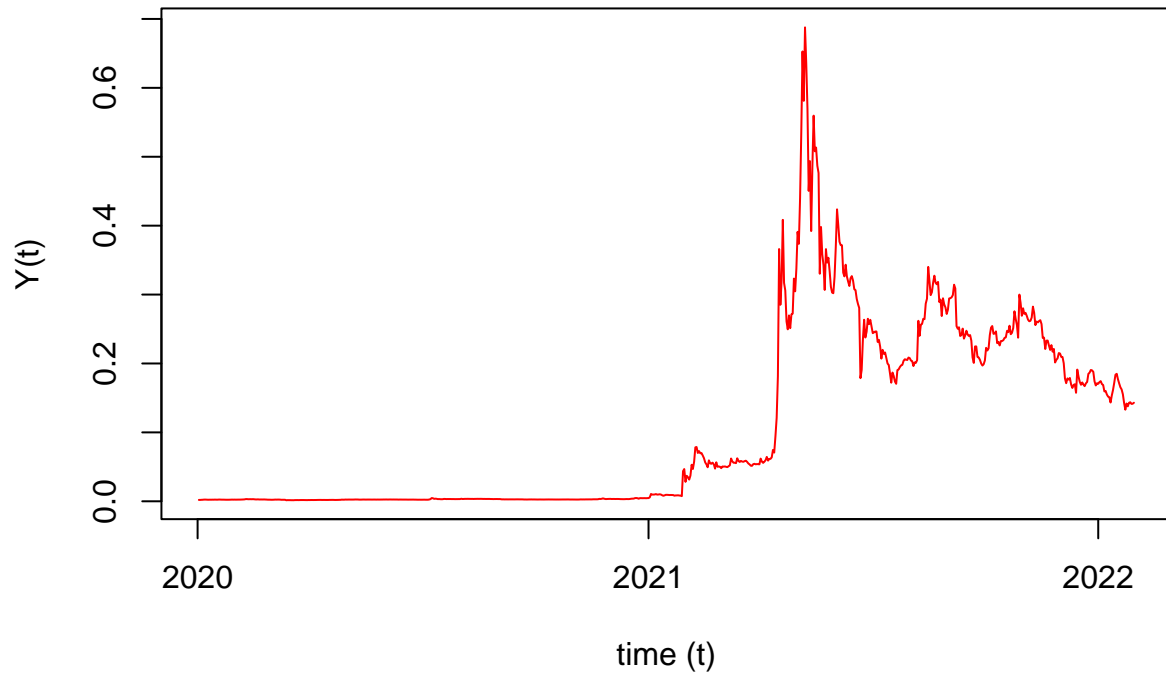


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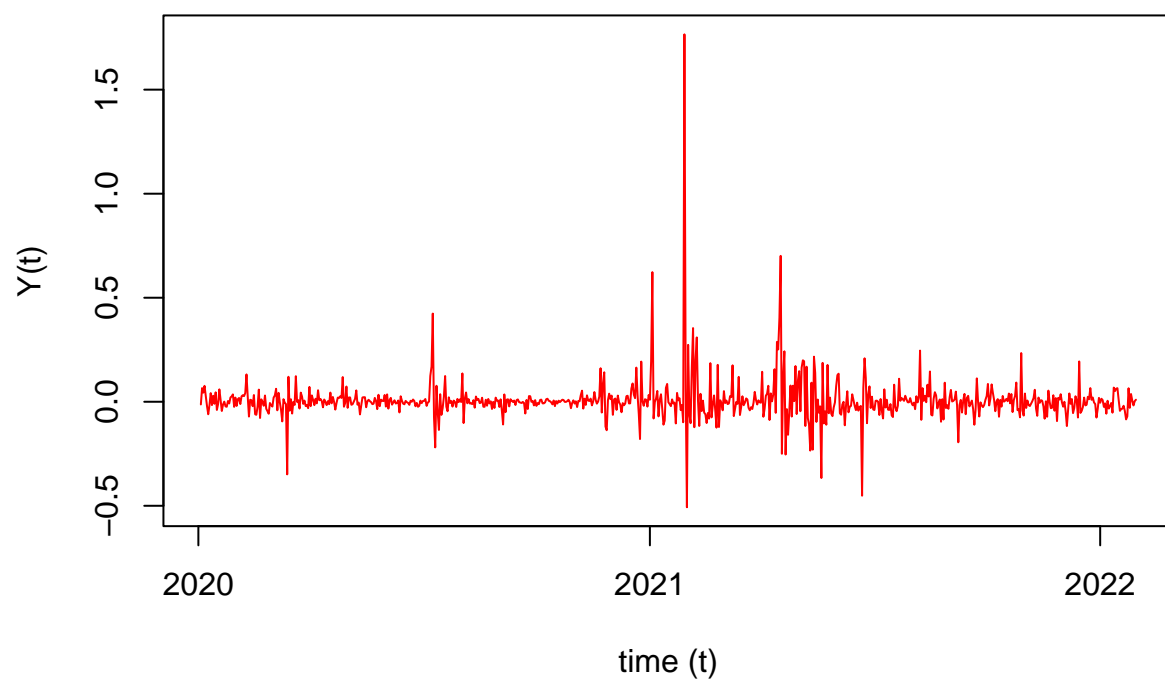
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##	662	2021-10-24	23:59:59	2021-10-24	23:40:03	2021-10-24	08:24:03
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##	664	2021-10-26	23:59:59	2021-10-26	09:46:03	2021-10-26	22:57:03
##	665	2021-10-27	23:59:59	2021-10-27	05:13:03	2021-10-27	08:10:03
##	666	2021-10-28	23:59:59	2021-10-28	17:39:03	2021-10-28	03:27:03
##	667	2021-10-29	23:59:59	2021-10-29	00:06:03	2021-10-29	11:38:03
##	668	2021-10-30	23:59:59	2021-10-30	06:00:03	2021-10-30	22:38:03
##	669	2021-10-31	23:59:59	2021-10-31	23:31:03	2021-10-31	13:38:03
##	670	2021-11-01	23:59:59	2021-11-01	00:53:03	2021-11-01	04:03:03
##	671	2021-11-02	23:59:59	2021-11-02	06:10:03	2021-11-02	01:56:03
##	672	2021-11-03	23:59:59	2021-11-03	09:45:03	2021-11-03	14:05:03
##	673	2021-11-04	23:59:59	2021-11-04	00:14:03	2021-11-04	16:09:03
##	674	2021-11-05	23:59:59	2021-11-05	08:52:03	2021-11-05	15:09:03
##	675	2021-11-06	23:59:59	2021-11-06	01:42:03	2021-11-06	11:06:03
##	676	2021-11-07	23:59:59	2021-11-07	16:37:03	2021-11-07	07:14:03
##	677	2021-11-08	23:59:59	2021-11-08	08:52:03	2021-11-08	00:26:03
##	678	2021-11-09	23:59:59	2021-11-09	05:22:03	2021-11-09	11:37:03
##	679	2021-11-10	23:59:59	2021-11-10	14:17:03	2021-11-10	21:25:03
##	680	2021-11-11	23:59:59	2021-11-11	15:16:03	2021-11-11	00:33:03
##	681	2021-11-12	23:59:59	2021-11-12	03:51:03	2021-11-12	16:35:03
##	682	2021-11-13	23:59:59	2021-11-13	22:18:03	2021-11-13	05:38:03
##	683	2021-11-14	23:59:59	2021-11-14	09:21:03	2021-11-14	17:25:03
##	684	2021-11-15	23:59:59	2021-11-15	00:34:03	2021-11-15	21:04:03
##	685	2021-11-16	23:59:59	2021-11-16	00:00:03	2021-11-16	10:10:03
##	686	2021-11-17	23:59:59	2021-11-17	13:05:03	2021-11-17	10:37:03
##	687	2021-11-18	23:59:59	2021-11-18	01:39:03	2021-11-18	17:12:03
##	688	2021-11-19	23:59:59	2021-11-19	15:50:03	2021-11-19	02:59:03
##	689	2021-11-20	23:59:59	2021-11-20	02:21:03	2021-11-20	15:53:03
##	690	2021-11-21	23:59:59	2021-11-21	00:01:03	2021-11-21	23:56:03
##	691	2021-11-22	23:59:59	2021-11-22	13:42:03	2021-11-22	19:41:03
##	692	2021-11-23	23:59:59	2021-11-23	10:20:03	2021-11-23	09:38:03
##	693	2021-11-24	23:59:59	2021-11-24	01:09:03	2021-11-24	14:46:03
##	694	2021-11-25	23:59:59	2021-11-25	17:26:03	2021-11-25	00:30:03
##	695	2021-11-26	23:59:59	2021-11-26	00:01:03	2021-11-26	08:28:03
##	696	2021-11-27	23:59:59	2021-11-27	04:51:03	2021-11-27	00:06:03
##	697	2021-11-28	23:59:59	2021-11-28	23:59:03	2021-11-28	18:40:03
##	698	2021-11-29	23:59:59	2021-11-29	13:32:03	2021-11-29	09:55:04
##	699	2021-11-30	23:59:59	2021-11-30	04:42:24	2021-11-30	17:09:26
##	700	2021-12-01	23:59:59	2021-12-01	01:23:10	2021-12-01	21:31:26
##	701	2021-12-02	23:59:59	2021-12-02	09:11:03	2021-12-02	03:21:20
##	702	2021-12-03	23:59:59	2021-12-03	13:33:03	2021-12-03	20:20:03
##	703	2021-12-04	23:59:59	2021-12-04	00:22:03	2021-12-04	05:28:03
##	704	2021-12-05	23:59:59	2021-12-05	00:21:03	2021-12-05	15:36:03
##	705	2021-12-06	23:59:59	2021-12-06	22:23:03	2021-12-06	11:14:03
##	706	2021-12-07	23:59:59	2021-12-07	01:20:03	2021-12-07	23:02:03
##	707	2021-12-08	23:59:59	2021-12-08	08:14:03	2021-12-08	12:26:03

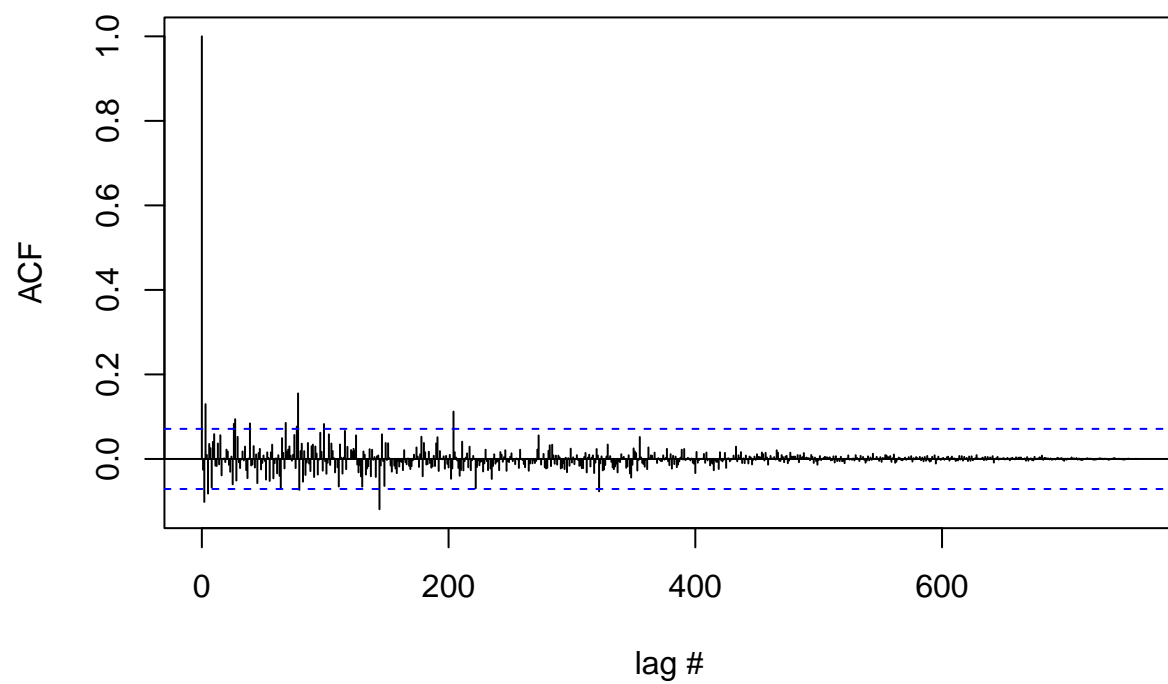
##	708	2021-12-09	23:59:59	2021-12-09	00:48:03	2021-12-09	23:59:03
##	709	2021-12-10	23:59:59	2021-12-10	13:37:03	2021-12-10	23:56:03
##	710	2021-12-11	23:59:59	2021-12-11	16:32:03	2021-12-11	00:19:03
##	711	2021-12-12	23:59:59	2021-12-12	20:44:03	2021-12-12	10:14:03
##	712	2021-12-13	23:59:59	2021-12-13	00:16:03	2021-12-13	19:43:03
##	713	2021-12-14	23:59:59	2021-12-14	11:55:03	2021-12-14	06:30:03
##	714	2021-12-15	23:59:59	2021-12-15	00:00:03	2021-12-15	16:00:03
##	715	2021-12-16	23:59:59	2021-12-16	10:08:03	2021-12-16	23:58:03
##	716	2021-12-17	23:59:59	2021-12-17	05:29:03	2021-12-17	14:45:03
##	717	2021-12-18	23:59:59	2021-12-18	10:22:03	2021-12-18	01:32:03
##	718	2021-12-19	23:59:59	2021-12-19	04:27:03	2021-12-19	23:58:03
##	719	2021-12-20	23:59:59	2021-12-20	01:13:03	2021-12-20	14:35:03
##	720	2021-12-21	23:59:59	2021-12-21	12:36:03	2021-12-21	01:30:03
##	721	2021-12-22	23:59:59	2021-12-22	12:08:03	2021-12-22	01:00:03
##	722	2021-12-23	23:59:59	2021-12-23	19:47:03	2021-12-23	00:24:03
##	723	2021-12-24	23:59:59	2021-12-24	19:04:05	2021-12-24	06:22:03
##	724	2021-12-25	23:59:59	2021-12-25	05:41:03	2021-12-25	00:03:03
##	725	2021-12-26	23:59:59	2021-12-26	22:43:04	2021-12-26	04:01:04
##	726	2021-12-27	23:59:59	2021-12-27	17:44:03	2021-12-27	22:48:03
##	727	2021-12-28	23:59:59	2021-12-28	00:02:03	2021-12-28	17:38:03
##	728	2021-12-29	23:59:59	2021-12-29	03:10:06	2021-12-29	23:22:11
##	729	2021-12-30	23:59:59	2021-12-30	12:28:12	2021-12-30	00:19:08
##	730	2021-12-31	23:59:59	2021-12-31	09:13:00	2021-12-31	20:01:00
##	731	2022-01-01	23:59:59	2022-01-01	17:47:00	2022-01-01	05:11:00
##	732	2022-01-02	23:59:59	2022-01-02	17:04:00	2022-01-02	04:55:00
##	733	2022-01-03	23:59:59	2022-01-03	00:00:00	2022-01-03	20:31:00
##	734	2022-01-04	23:59:59	2022-01-04	15:05:00	2022-01-04	19:03:00
##	735	2022-01-05	23:59:59	2022-01-05	10:10:00	2022-01-05	22:37:00
##	736	2022-01-06	23:59:59	2022-01-06	20:10:00	2022-01-06	04:44:00
##	737	2022-01-07	23:59:59	2022-01-07	00:04:00	2022-01-07	04:37:00
##	738	2022-01-08	23:59:59	2022-01-08	07:07:00	2022-01-08	19:25:00
##	739	2022-01-09	23:59:59	2022-01-09	20:02:00	2022-01-09	15:19:00
##	740	2022-01-10	23:59:59	2022-01-10	04:40:00	2022-01-10	14:40:00
##	741	2022-01-11	23:59:59	2022-01-11	11:53:00	2022-01-11	00:10:00
##	742	2022-01-12	23:59:59	2022-01-12	23:59:00	2022-01-12	07:29:00
##	743	2022-01-13	23:59:59	2022-01-13	08:55:00	2022-01-13	00:00:00
##	744	2022-01-14	23:59:59	2022-01-14	07:17:00	2022-01-14	00:04:00
##	745	2022-01-15	23:59:59	2022-01-15	07:22:00	2022-01-15	00:14:00
##	746	2022-01-16	23:59:59	2022-01-16	00:00:00	2022-01-16	20:08:00
##	747	2022-01-17	23:59:59	2022-01-17	00:07:00	2022-01-17	16:16:00
##	748	2022-01-18	23:59:59	2022-01-18	00:22:00	2022-01-18	18:35:00
##	749	2022-01-19	23:59:59	2022-01-19	03:34:00	2022-01-19	08:37:00
##	750	2022-01-20	23:59:59	2022-01-20	15:12:00	2022-01-20	23:58:00
##	751	2022-01-21	23:59:59	2022-01-21	00:31:00	2022-01-21	22:55:00
##	752	2022-01-22	23:59:59	2022-01-22	00:39:00	2022-01-22	10:19:00
##	753	2022-01-23	23:59:59	2022-01-23	13:58:00	2022-01-23	00:07:00
##	754	2022-01-24	23:59:59	2022-01-24	00:01:00	2022-01-24	13:08:00
##	755	2022-01-25	23:59:59	2022-01-25	19:16:00	2022-01-25	07:20:00
##	756	2022-01-26	23:59:59	2022-01-26	19:10:00	2022-01-26	22:17:00
##	757	2022-01-27	23:59:59	2022-01-27	14:35:00	2022-01-27	21:20:00
##	758	2022-01-28	23:59:59	2022-01-28	00:11:00	2022-01-28	12:52:00
##	759	2022-01-29	23:59:59	2022-01-29	20:46:00	2022-01-29	15:07:00
##	760	2022-01-30	23:59:59	2022-01-30	10:10:00	2022-01-30	21:28:00

### Trend signal

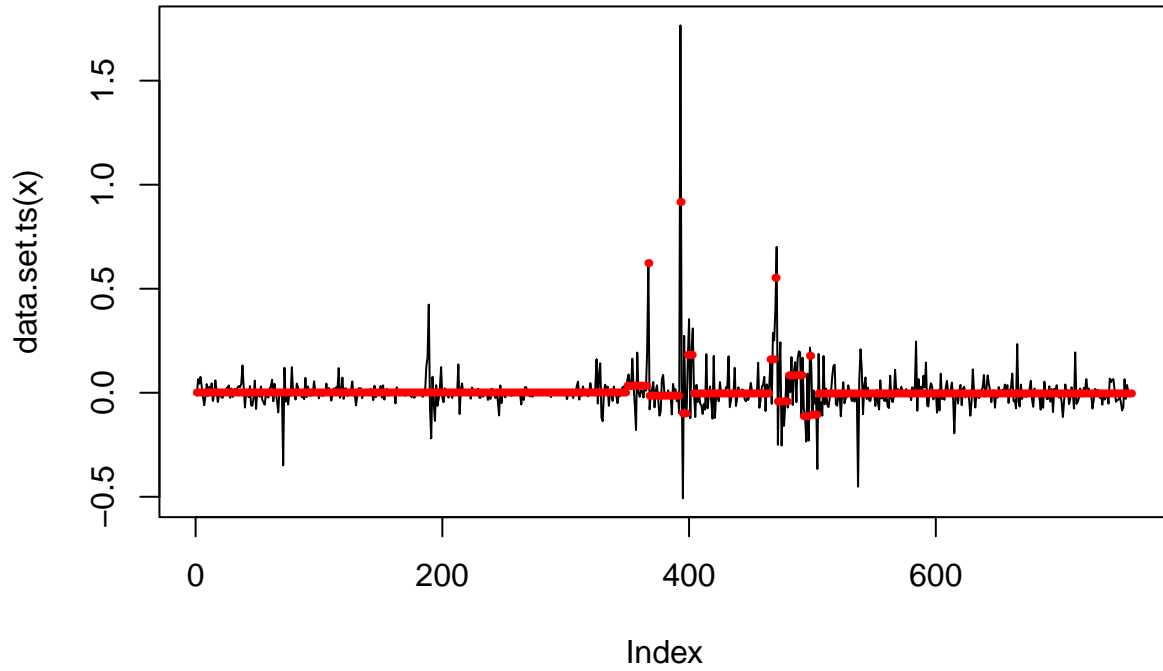


### Trend signal





```
##  
## Augmented Dickey-Fuller Test  
##  
## data: dogelogdiff  
## Dickey-Fuller = -8.1817, Lag order = 9, p-value = 0.01  
## alternative hypothesis: stationary
```



##	X	id	conversation_id	created_at	date	timezone
##	2292 19	1.113179e+18	1.113179e+18	1.554238e+12	2019-04-02 16:38:38	-500
##	3887 12	1.357244e+18	1.357244e+18	1.612427e+12	2021-02-04 03:27:10	-500
##	3889 14	1.357241e+18	1.357241e+18	1.612427e+12	2021-02-04 03:15:26	-500
##	3892 17	1.357231e+18	1.357230e+18	1.612424e+12	2021-02-04 02:35:35	-500
##	3920 1	1.360008e+18	1.359791e+18	1.613086e+12	2021-02-11 18:27:37	-500
##	3931 12	1.359520e+18	1.359520e+18	1.612970e+12	2021-02-10 10:08:11	-500
##	3956 17	1.361096e+18	1.361094e+18	1.613346e+12	2021-02-14 18:33:22	-500
##	3957 18	1.361094e+18	1.361094e+18	1.613345e+12	2021-02-14 18:25:16	-500
##	3989 10	1.374988e+18	1.374868e+18	1.616658e+12	2021-03-25 03:33:56	-500
##	4032 2	1.392974e+18	1.392974e+18	1.620946e+12	2021-05-13 18:45:16	-500
##	4048 18	1.392030e+18	1.392030e+18	1.620721e+12	2021-05-11 04:13:35	-500
##	4055 5	1.395438e+18	1.395375e+18	1.621533e+12	2021-05-20 13:56:35	-500
##	4056 6	1.395438e+18	1.395375e+18	1.621533e+12	2021-05-20 13:53:25	-500
##	4063 13	1.395367e+18	1.395329e+18	1.621516e+12	2021-05-20 09:14:02	-500
##	4064 14	1.395367e+18	1.395329e+18	1.621516e+12	2021-05-20 09:13:50	-500
##	4068 18	1.395329e+18	1.395329e+18	1.621507e+12	2021-05-20 06:41:00	-500
##	4096 26	1.399115e+18	1.399100e+18	1.622410e+12	2021-05-30 17:24:28	-500
##	4159 9	1.410530e+18	1.410530e+18	1.625131e+12	2021-07-01 05:24:21	-500
##	4163 13	1.410519e+18	1.410519e+18	1.625129e+12	2021-07-01 04:43:41	-500
##	4325 15	1.437268e+18	1.437205e+18	1.631506e+12	2021-09-13 00:12:44	-500
##	4337 27	1.437165e+18	1.437154e+18	1.631482e+12	2021-09-12 17:21:49	-500
##	4358 2	1.440780e+18	1.440771e+18	1.632344e+12	2021-09-22 16:50:08	-500
##	4495 20	1.453418e+18	1.453417e+18	1.635357e+12	2021-10-27 13:47:54	-500
##	4530 55	1.452348e+18	1.451983e+18	1.635102e+12	2021-10-24 14:55:51	-500
##	4532 57	1.452334e+18	1.452313e+18	1.635098e+12	2021-10-24 14:01:32	-500

##	4533	58	1.452333e+18	1.451930e+18	1.635098e+12	2021-10-24	13:54:27	-500
##	4535	60	1.452332e+18	1.451930e+18	1.635098e+12	2021-10-24	13:51:57	-500
##	4537	62	1.452329e+18	1.451930e+18	1.635097e+12	2021-10-24	13:38:14	-500
##	4542	67	1.452075e+18	1.451930e+18	1.635037e+12	2021-10-23	20:48:54	-500
##	4608	2	1.473914e+18	1.473867e+18	1.640244e+12	2021-12-23	02:11:42	-500
##	4727	4	1.483908e+18	1.483736e+18	1.642626e+12	2022-01-19	16:01:55	-500
##			place					
##	2292		NA					
##	3887		NA					
##	3889		NA					
##	3892		NA					
##	3920		NA					
##	3931		NA					
##	3956		NA					
##	3957		NA					
##	3989		NA					
##	4032		NA					
##	4048		NA					
##	4055		NA					
##	4056		NA					
##	4063		NA					
##	4064		NA					
##	4068		NA					
##	4096		NA					
##	4159		NA					
##	4163		NA					
##	4325		NA					
##	4337		NA					
##	4358		NA					
##	4495		NA					
##	4530		NA					
##	4532		NA					
##	4533		NA					
##	4535		NA					
##	4537		NA					
##	4542		NA					
##	4608		NA					
##	4727		NA					
##								
##	2292							
##	3887							
##	3889							
##	3892							
##	3920							
##	3931							
##	3956							
##	3957							
##	3989							
##	4032							
##	4048							
##	4055							
##	4056							
##	4063							
##	4064							



```

## 4068
## 4096
## 4159
## 4163
## 4325
## 4337
## 4358
## 4495
## 4530 @ProTheDoge Lots of people I talked to on the pr
it felt like the people's crypto.
## 4532 @Filasophical @ShibaInuHodler Out of curiosity, I acquired some ascii hash strings called "Bitc
## 4533
## 4535 @itsALLrisky @TeslaGong @mishaboar (
## 4537 @TeslaGong @mishaboar @DogecoinFdn Not recently. Wha
## 4542
## 4608
## 4727 @blueskykites @Grimezsz @WholeMarsBlog @SpaceXMR @musky_meme @CovelloMassimo @Sp
I do think a lot about rocket engine chamber pressure ahaha
## language hashtags cashtags user_id user_id_str username name day
## 2292 en [] [] 44196397 44196397 elonmusk Elon Musk 2
## 3887 en [] [] 44196397 44196397 elonmusk Elon Musk 4
## 3889 en [] [] 44196397 44196397 elonmusk Elon Musk 4
## 3892 en [] [] 44196397 44196397 elonmusk Elon Musk 4
## 3920 en [] [] 44196397 44196397 elonmusk Elon Musk 4
## 3931 en [] [] 44196397 44196397 elonmusk Elon Musk 3
## 3956 en [] [] 44196397 44196397 elonmusk Elon Musk 7
## 3957 en [] [] 44196397 44196397 elonmusk Elon Musk 7
## 3989 en [] [] 44196397 44196397 elonmusk Elon Musk 4
## 4032 en [] [] 44196397 44196397 elonmusk Elon Musk 4
## 4048 en [] [] 44196397 44196397 elonmusk Elon Musk 2
## 4055 en [] [] 44196397 44196397 elonmusk Elon Musk 4
## 4056 en [] [] 44196397 44196397 elonmusk Elon Musk 4
## 4063 und [] [] 44196397 44196397 elonmusk Elon Musk 4
## 4064 de [] [] 44196397 44196397 elonmusk Elon Musk 4
## 4068 en [] [] 44196397 44196397 elonmusk Elon Musk 4
## 4096 und [] [] 44196397 44196397 elonmusk Elon Musk 7
## 4159 en [] [] 44196397 44196397 elonmusk Elon Musk 4
## 4163 en [] [] 44196397 44196397 elonmusk Elon Musk 4
## 4325 en [] [] 44196397 44196397 elonmusk Elon Musk 1
## 4337 und [] [] 44196397 44196397 elonmusk Elon Musk 7
## 4358 en [] [] 44196397 44196397 elonmusk Elon Musk 3
## 4495 en [] [] 44196397 44196397 elonmusk Elon Musk 3
## 4530 en [] [] 44196397 44196397 elonmusk Elon Musk 7
## 4532 en [] [] 44196397 44196397 elonmusk Elon Musk 7
## 4533 und [] [] 44196397 44196397 elonmusk Elon Musk 7
## 4535 en [] [] 44196397 44196397 elonmusk Elon Musk 7
## 4537 en [] [] 44196397 44196397 elonmusk Elon Musk 7
## 4542 en [] [] 44196397 44196397 elonmusk Elon Musk 6
## 4608 en [] [] 44196397 44196397 elonmusk Elon Musk 4
## 4727 en [] [] 44196397 44196397 elonmusk Elon Musk 3
## hour link
## 2292 16 https://twitter.com/elonmusk/status/1113178951403180032
## 3887 3 https://twitter.com/elonmusk/status/1357244295091208193
## 3889 3 https://twitter.com/elonmusk/status/1357241340313141249

```

```
## 3892      2 https://twitter.com/elonmusk/status/1357231313376456708
## 3920     18 https://twitter.com/elonmusk/status/1360007611781795840
## 3931     10 https://twitter.com/elonmusk/status/1359519541219500033
## 3956     18 https://twitter.com/elonmusk/status/1361096223428653056
## 3957     18 https://twitter.com/elonmusk/status/1361094185412100096
## 3989      3 https://twitter.com/elonmusk/status/1374987902120206337
## 4032     18 https://twitter.com/elonmusk/status/1392974251011895300
## 4048      4 https://twitter.com/elonmusk/status/1392030108274159619
## 4055     13 https://twitter.com/elonmusk/status/1395438318095986693
## 4056     13 https://twitter.com/elonmusk/status/1395437522306490371
## 4063      9 https://twitter.com/elonmusk/status/1395367211083067399
## 4064      9 https://twitter.com/elonmusk/status/1395367159866351618
## 4068      6 https://twitter.com/elonmusk/status/1395328697436033032
## 4096     17 https://twitter.com/elonmusk/status/1399114511202852871
## 4159      5 https://twitter.com/elonmusk/status/1410529698497630212
## 4163      4 https://twitter.com/elonmusk/status/1410519466518233089
## 4325      0 https://twitter.com/elonmusk/status/1437267981889937415
## 4337     17 https://twitter.com/elonmusk/status/1437164571467390980
## 4358     16 https://twitter.com/elonmusk/status/1440780474662543370
## 4495     13 https://twitter.com/elonmusk/status/1453418189862342660
## 4530     14 https://twitter.com/elonmusk/status/1452348126753349640
## 4532     14 https://twitter.com/elonmusk/status/1452334458066149377
## 4533     13 https://twitter.com/elonmusk/status/1452332676929761282
## 4535     13 https://twitter.com/elonmusk/status/1452332044743323654
## 4537     13 https://twitter.com/elonmusk/status/1452328592810160134
## 4542     20 https://twitter.com/elonmusk/status/1452074589257883654
## 4608      2 https://twitter.com/elonmusk/status/1473914193527070770
## 4727     16 https://twitter.com/elonmusk/status/1483907599036780557
```

## 4533  
## 4535  
## 4537  
## 4542  
## 4608  
## 4727

	photos	video
##		
## 2292	0	0
## 3887	0	0
## 3889	0	0
## 3892	0	0
## 3920	0	0
## 3931	0	0
## 3956	0	0
## 3957	0	0
## 3989	0	0
## 4032	0	0
## 4048	0	0
## 4055	0	0
## 4056	0	0
## 4063	0	0
## 4064	0	0
## 4068	1	1
## 4096	0	0
## 4159	0	0
## 4163	1	1
## 4325	0	0
## 4337	0	0
## 4358	0	0
## 4495	0	0
## 4530	0	0
## 4532	0	0
## 4533	0	0
## 4535	0	0
## 4537	0	0
## 4542	0	0
## 4608	0	0
## 4727	0	0

	thumbnail	retweet	nlikes	nreplies
##				
## 2292	False	19496	1056	
## 3887	False	747044	21388	
## 3889	False	535291	18505	
## 3892	False	251826	8922	
## 3920	False	28120	2074	
## 3931	False	529825	27515	
## 3956	False	5815	447	
## 3957	False	319018	27398	
## 3989	False	7711	122	
## 4032	False	535949	63863	
## 4048	False	393625	96889	
## 4055	False	51198	5104	
## 4056	False	23424	956	
## 4063	False	3754	265	
## 4064	False	10551	1173	

##	4068	https://pbs.twimg.com/media/E100DerVEAAfKpp.jpg	False	303787	71021			
##	4096		False	36782	1339			
##	4159		False	280121	45258			
##	4163	https://pbs.twimg.com/media/E5Mr-oXXwAEWFtP.jpg	False	129068	11187			
##	4325		False	3123	437			
##	4337		False	2237	109			
##	4358		False	23940	2225			
##	4495		False	47125	10908			
##	4530		False	33363	4089			
##	4532		False	36341	5468			
##	4533		False	8762	785			
##	4535		False	5399	742			
##	4537		False	3527	838			
##	4542		False	5049	758			
##	4608		False	31172	4226			
##	4727		False	17897	646			
##		nretweets quote_url search near geo source user_rt_id user_rt retweet_id						
##	2292	1891	None	NA	NA	NA	NA	NA
##	3887	107650	None	NA	NA	NA	NA	NA
##	3889	98378	None	NA	NA	NA	NA	NA
##	3892	43194	None	NA	NA	NA	NA	NA
##	3920	8314	None	NA	NA	NA	NA	NA
##	3931	56100	None	NA	NA	NA	NA	NA
##	3956	694	None	NA	NA	NA	NA	NA
##	3957	33049	None	NA	NA	NA	NA	NA
##	3989	227	None	NA	NA	NA	NA	NA
##	4032	82625	None	NA	NA	NA	NA	NA
##	4048	95316	None	NA	NA	NA	NA	NA
##	4055	12012	None	NA	NA	NA	NA	NA
##	4056	2679	None	NA	NA	NA	NA	NA
##	4063	286	None	NA	NA	NA	NA	NA
##	4064	1385	None	NA	NA	NA	NA	NA
##	4068	52679	None	NA	NA	NA	NA	NA
##	4096	2009	None	NA	NA	NA	NA	NA
##	4159	47906	None	NA	NA	NA	NA	NA
##	4163	16023	None	NA	NA	NA	NA	NA
##	4325	310	None	NA	NA	NA	NA	NA
##	4337	75	None	NA	NA	NA	NA	NA
##	4358	4146	None	NA	NA	NA	NA	NA
##	4495	6278	None	NA	NA	NA	NA	NA
##	4530	7198	None	NA	NA	NA	NA	NA
##	4532	6234	None	NA	NA	NA	NA	NA
##	4533	1187	None	NA	NA	NA	NA	NA
##	4535	763	None	NA	NA	NA	NA	NA
##	4537	577	None	NA	NA	NA	NA	NA
##	4542	483	None	NA	NA	NA	NA	NA
##	4608	6221	None	NA	NA	NA	NA	NA
##	4727	522	None	NA	NA	NA	NA	NA
##								
##	2292							
##	3887							
##	3889							
##	3892							
##	3920							

```

## 3931
## 3956
## 3957
## 3989
## 4032
## 4048
## 4055
## 4056
## 4063
## 4064
## 4068
## 4096
## 4159
## 4163
## 4325
## 4337
## 4358
## 4495
## 4530
## 4532
## 4533
## 4535
## 4537
## 4542
## 4608
## 4727 [{ 'screen_name': 'blueskykites', 'name': 'Gary Mark • Blue Sky Kites', 'id': '87101095'}, {'scr
##      retweet_date translate trans_src trans_dest
## 2292          NA          NA          NA          NA
## 3887          NA          NA          NA          NA
## 3889          NA          NA          NA          NA
## 3892          NA          NA          NA          NA
## 3920          NA          NA          NA          NA
## 3931          NA          NA          NA          NA
## 3956          NA          NA          NA          NA
## 3957          NA          NA          NA          NA
## 3989          NA          NA          NA          NA
## 4032          NA          NA          NA          NA
## 4048          NA          NA          NA          NA
## 4055          NA          NA          NA          NA
## 4056          NA          NA          NA          NA
## 4063          NA          NA          NA          NA
## 4064          NA          NA          NA          NA
## 4068          NA          NA          NA          NA
## 4096          NA          NA          NA          NA
## 4159          NA          NA          NA          NA
## 4163          NA          NA          NA          NA
## 4325          NA          NA          NA          NA
## 4337          NA          NA          NA          NA
## 4358          NA          NA          NA          NA
## 4495          NA          NA          NA          NA
## 4530          NA          NA          NA          NA
## 4532          NA          NA          NA          NA
## 4533          NA          NA          NA          NA
## 4535          NA          NA          NA          NA

```

## 4537	NA	NA	NA	NA
## 4542	NA	NA	NA	NA
## 4608	NA	NA	NA	NA
## 4727	NA	NA	NA	NA

## Elon Musk's Tweets and Breaking Points



## Conclusion

dfihdfhdfidf

## Annex

*Python code to extract Elon Musks's tweets via Twitter API*

```
import twint
import datetime

def delist(x):
    df = x[0]
    for i in range(1, len(x)):
        df = df.append(x[i])
    return df
```

```

def ElonPaginated():
    data = []
    start = datetime.datetime.strptime("2011-01-01", "%Y-%m-%d")
    end = datetime.datetime.strptime("2022-02-01", "%Y-%m-%d")
    date_generated = [start + datetime.timedelta(days=x) for x in range(0, (end - start).days)]
    date_generated = date_generated[:7]
    date_generated = [date_obj.strftime("%Y-%m-%d") for date_obj in date_generated]
    for i in range(0, len(date_generated) - 1):
        c = twint.Config()
        c.Username = "elonmusk"
        c.Since = date_generated[i]
        c.Until = date_generated[i + 1]
        c.Pandas = True
        twint.run.Search(c)
        Tweets_df = twint.storage.panda.Tweets_df
        if Tweets_df.empty:
            pass
        else: data.append((Tweets_df))
    return data

data = ElonPaginated()
data = delist(data)
print(data)
data.to_csv('/Users/federicopiazza/Desktop/MONTREAL/QM/elon.csv')

```