

# btctweets\_pre-processing-05312020

June 12, 2020

## 1 Bitcoin Tweets Pre-processing

```
[1]: # Data analysis and wrangling
import pandas as pd
import numpy as np
import os
import string
import csv

# Visualization
%matplotlib inline
import matplotlib.pyplot as plt
import seaborn
from wordcloud import WordCloud

# Sentiment analysis
import re
import nltk
from nltk.corpus import stopwords
from textblob import TextBlob
```

```
[2]: tweets_data = pd.read_csv('btctweets_05312020.csv',
                                encoding='utf-8',
                                delimiter=',',
                                header = 0,
                                engine='python',
                                error_bad_lines=False,
                                usecols=[0,1,2,3,4,5])

tweets_data.head()
```

```
[2]:
```

	date_time	name \
0	5/22/2020 23:59	CryptOrca
1	5/22/2020 23:59	Jeremial
2	5/22/2020 23:59	SmileyGnome
3	5/22/2020 23:59	dgb_chilling
4	5/22/2020 23:59	no_name

	text	polarity	sensitivity	\
0	Goldman Sachs Is Hosting A Client Call About B...	0.00	0	
1	OK... Then why is President Trump endorsing To...	0.50	0.5	
2	It\xe2\x80\x99s #Bitcoin \xf0\x9f\x8d\x95 Day!...	0.25	0.277	
3	Great a icle on @Cointelegraph\nIf only there ...	0.25	0.65	
4	#Bitcoin #BTC current price (GBP): 7,547.70\n+...	0.00	0.4	

```

sentiment
0    neutral
1   positive
2   positive
3   positive
4    neutral

```

```
[3]: tweets_data.tail()
```

```

[3]:          date_time          name \
2015  5/28/2020 22:38  Lionel46294550
2016  5/28/2020 22:38  realDonaldTrump
2017  5/28/2020 22:38  JWilliamsFstmed
2018  5/28/2020 22:38   cryptograffit
2019  5/27/2020 19:40     danheld

```

	text	polarity	sensitivity	\
2015	#XRP #xrpccommunity #btc #bitcoin #eth #ltc #...	0.16818	0.72727	
2016	@RideUTA Yes, it s a world global pandemic. T...	0.00000	0	
2017	Over the last 15 days the Grayscale Bitcoin T...	0.00000	0.06667	
2018	is pretty incredible imho.\n\nWe need more cr...	0.55000	0.8	
2019	Drop Sachs.\n\nGet Sats.	0.00000	0	

```

sentiment
2015   positive
2016    neutral
2017    neutral
2018   positive
2019    neutral

```

## 1.1 Exploratory Data Analysis

```
[4]: tweets_data.info()
```

```

<class 'pandas.core.frame.DataFrame'>
RangeIndex: 2020 entries, 0 to 2019
Data columns (total 6 columns):
date_time      2020 non-null object
name           2020 non-null object
text           2020 non-null object

```

```
polarity      2020 non-null float64
sensitivity   2020 non-null object
sentiment     2020 non-null object
dtypes: float64(1), object(5)
memory usage: 94.8+ KB
```

```
[5]: tweets_count = tweets_data['name'].value_counts()
      tweets_count
```

```
[5]: no_name      912
      danheld      46
      blockfolio   22
      lopp         19
      jk_rowling   18
      ...
      zooko        1
      humayun_owais 1
      R_Tyler_Smith 1
      tfblockchain  1
      bitcoin_clara 1
      Name: name, Length: 500, dtype: int64
```

### 1.1.1 Clean Text

```
[6]: # Cleaning the tweets
      from nltk.tokenize import WordPunctTokenizer

      user = '@[A-Za-z0-9]+'
      url = 'https?:/[^\ ]+'
      link = 'www.[^\ ]+'
      combined_p = '|'.join((user, url, link))
      neg_dic = {"isn't":"is not", "aren't":"are not", "wasn't":"was not", "weren't":
        ↪ "were not",
        "haven't":"have not", "hasn't":"has not", "hadn't":"had_
        ↪ not", "won't":"will not",
        "wouldn't":"would not", "don't":"do not", "doesn't":"does_
        ↪ not", "didn't":"did not",
        "can't":"can not", "couldn't":"could not", "shouldn't":"should_
        ↪ not", "mightn't":"might not",
        "mustn't":"must not"}
      neg = re.compile('\b(' + '|'.join(neg_dic.keys()) + ')\b')
      tok = WordPunctTokenizer()

      def tweet_cleaner(text):
          stripped = re.sub(combined_p, '', text)
          lower_case = stripped.lower()
          neg_handled = neg.sub(lambda x: neg_dic[x.group()], lower_case)
```

```

letters = re.sub("[^a-zA-Z]", " ", neg_handled)
words = [x for x in tok.tokenize(letters) if len(x) > 1]
drop_stopwords = [x for x in words if x not in stopwords.words('english')]
return (" ".join(drop_stopwords)).strip()

```

```

[7]: clean_tweets = []
for tweet in tweets_data.text:
    clean_tweets.append(tweet_cleaner(tweet))
tweets_data['clean_text'] = pd.DataFrame(clean_tweets)

```

```

[8]: clean_tweets[:10]

```

```

[8]: ['goldman sachs hosting client call bitcoin gold inflation via',
      'ok president trump endorsing tommy',
      'xe bitcoin xf day nwhen btc first used commercial transaction nwhat better
place btc atm th xe xa',
      'great icle nif way could avoided know like minor monthly block red xe xa',
      'bitcoin btc current price gbp',
      'ea livin truth xe xa',
      'favorite pizza topping mine bitcoin',
      'dm fast money crypto cryptocurrency cryptoinvestor dubai cryptocurrencies
bitcoin travel litecoi xe xa',
      'pay bitcoins couple pizzas like maybe large ones left next day lasz xe xa',
      'paid btc lbs coffee beans coffee good neverone bitcoin pizza day spending xe
xa']

```

### 1.1.2 Generate Word Cloud

```

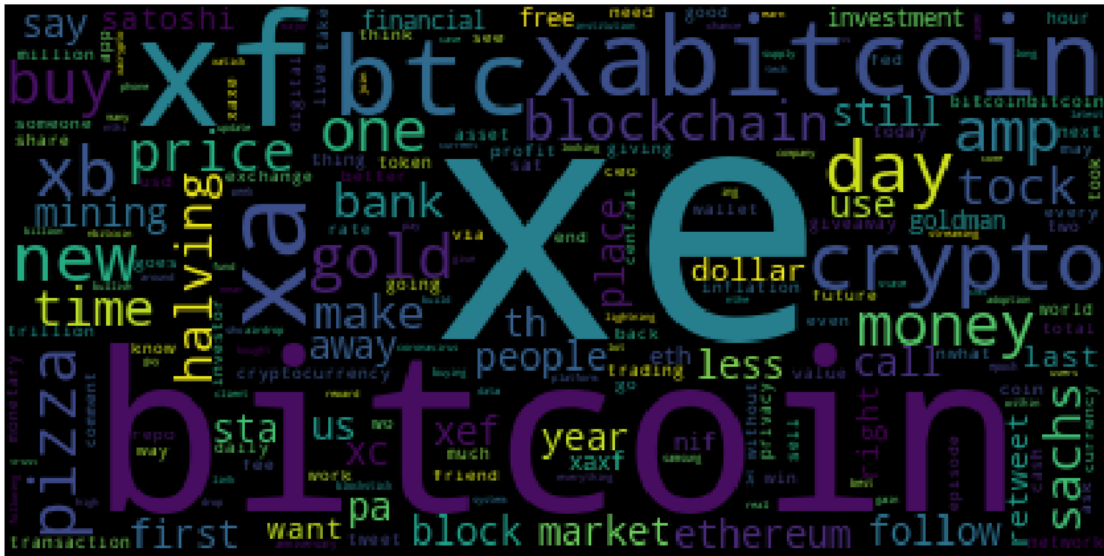
[9]: # Visualization using wordcloud for the text
strings = ''
for text in tweets_data['clean_text']:
    strings += text

# Generate a wordcloud image
wordcloud = WordCloud(background_color='black',
                      collocations=False
                      ).generate_from_text(strings)

# Display the image with matplotlib
plt.figure(1,figsize=(15, 12))
plt.imshow(wordcloud)
plt.title('Bitcoin Word Cloud - 2020')
plt.axis('off')
plt.show()

```

Bitcoin Word Cloud - 2020



### 1.1.3 Visualization

```
[10]: tweets_count = tweets_data['sentiment'].value_counts()
      tweets_count
```

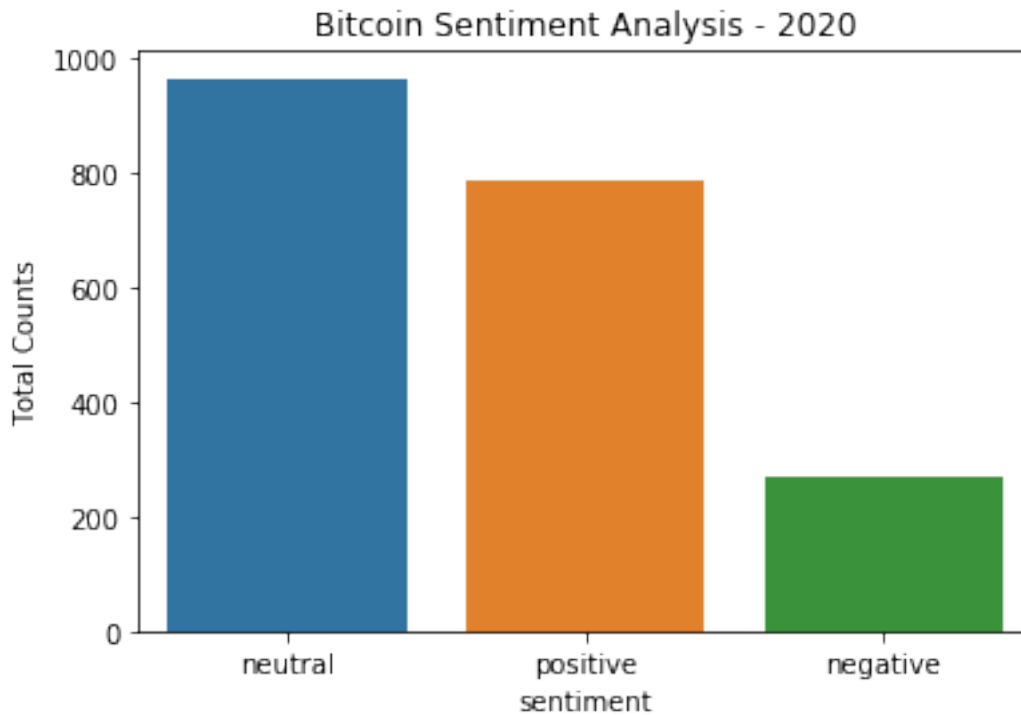
```
[10]: neutral      964
      positive    788
      negative    268
      Name: sentiment, dtype: int64
```

```
[11]: tweets_data.describe()
```

```
[11]:          polarity
count    2020.000000
mean         0.107154
std         0.259678
min        -1.000000
25%         0.000000
50%         0.000000
75%         0.211900
max          1.000000
```

```
[12]: # Plot sentiment mood count
      seaborn.countplot(x='sentiment', data=tweets_data)
      plt.title('Bitcoin Sentiment Analysis - 2020')
      plt.ylabel('Total Counts')
```

```
[12]: Text(0, 0.5, 'Total Counts')
```



## 1.2 Sentiment Analysis

```
[13]: for tweet in clean_tweets:
    print(tweet)
    analysis = TextBlob(str(tweet))
    print(analysis.sentiment)
    if analysis.sentiment[0]>0:
        print('Positive')
    elif analysis.sentiment[0]<0:
        print('Negative')
    else:
        print('Neutral')
```

goldman sachs hosting client call bitcoin gold inflation via

Sentiment(polarity=0.0, subjectivity=0.0)

Neutral

ok president trump endorsing tommy

Sentiment(polarity=0.5, subjectivity=0.5)

Positive

xe bitcoin xf day nwhen btc first used commercial transaction nwhat better place

btc atm th xe xa

Sentiment(polarity=0.25, subjectivity=0.2777777777777773)  
Positive  
great icle nif way could avoided know like minor monthly block red xe xa  
Sentiment(polarity=0.25, subjectivity=0.3166666666666665)  
Positive  
bitcoin btc current price gbp  
Sentiment(polarity=0.0, subjectivity=0.4)  
Neutral  
ea livin truth xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
favorite pizza topping mine bitcoin  
Sentiment(polarity=0.5, subjectivity=1.0)  
Positive  
dm fast money crypto cryptocurrency cryptoinvestor dubai cryptocurrencies  
bitcoin travel litecoi xe xa  
Sentiment(polarity=0.2, subjectivity=0.6)  
Positive  
pay bitcoins couple pizzas like maybe large ones left next day lasz xe xa  
Sentiment(polarity=0.07142857142857142, subjectivity=0.14285714285714285)  
Positive  
paid btc lbs coffee beans coffee good neveryone bitcoin pizza day spending xe xa  
Sentiment(polarity=0.7, subjectivity=0.6000000000000001)  
Positive  
bitcoin scant fundamentals make vulnerable price manipulation nbitcoin price  
manipulation drags xe xa  
Sentiment(polarity=-0.5, subjectivity=0.5)  
Negative  
network nulsd hgfxoou axiuzzwcx vkpoacwpdz nhappy bitcoin pizza day xf xf nuls  
xf  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
new episode kling live nwe discuss great accelerator quantitative easing modern  
monetary theory inf xe xa  
Sentiment(polarity=0.3181818181818182, subjectivity=0.5011363636363636)  
Positive  
yo chill today bitcoin pizza day years ago today someo xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
binging bitcoin audible almost asked wife wanted satoshi fried rice instead sr  
xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
xe bitcoin xf day nwhen btc first used commercial transaction nwhat better place  
btc atm th xe xa  
Sentiment(polarity=0.25, subjectivity=0.2777777777777773)  
Positive  
xf xb giveaway cro random followers xf like xf retweet xf comment cro bitcoin

btc crypto ethereum eth  
 Sentiment(polarity=-0.5, subjectivity=0.5)  
 Negative  
 traders waiting bitcoin see great xc xa volatility  
 Sentiment(polarity=0.8, subjectivity=0.75)  
 Positive  
 let know want send pizza bitcoin xf dm xf  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 great icle nif way could avoided know like minor monthly block red xe xa  
 Sentiment(polarity=0.25, subjectivity=0.3166666666666665)  
 Positive  
 imbalance rich poor oldest fatal ailment republics plutarch nrestore balance xe  
 xa  
 Sentiment(polarity=-0.012500000000000011, subjectivity=0.675)  
 Negative  
 xe traders expect bitcoin see major volatility  
 Sentiment(polarity=0.0625, subjectivity=0.5)  
 Positive  
 bitcoin price index usd eur cny gbp rub  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 bitcoin brain wallet othetop  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 xe bitcoin xf day nwhen btc first used commercial transaction nwhat better place  
 btc atm th xe xa  
 Sentiment(polarity=0.25, subjectivity=0.2777777777777773)  
 Positive  
 btc two pizzas happy bitcoin pizza day xf nto celebrate day like give one bt xe  
 xa  
 Sentiment(polarity=0.8, subjectivity=1.0)  
 Positive  
 xf xa xe xe xef xb feature update hide tasks interested anymore xe xa  
 Sentiment(polarity=0.25, subjectivity=0.5)  
 Positive  
 however spell name le roux wright petrified guy would helped xe xa  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 xe bitcoin xf day nwhen btc first used commercial transaction nwhat better place  
 btc atm th xe xa  
 Sentiment(polarity=0.25, subjectivity=0.2777777777777773)  
 Positive  
 binging bitcoin audible almost asked wife wanted satoshi fried rice instead sr  
 xe xa  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 happy bitcoin pizza day samson xf



Sentiment(polarity=0.8, subjectivity=1.0)  
Positive  
great icle nif way could avoided know like minor monthly block red xe xa  
Sentiment(polarity=0.25, subjectivity=0.3166666666666665)  
Positive  
trade crypto forex amp commodities leverage xf giving away btc xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
litecoin shares dna bitcoin amp times supply nit xe undervalued  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
bitcoinpizza would wo us right last hours bitcoin  
Sentiment(polarity=0.14285714285714285, subjectivity=0.3011904761904762)  
Positive  
xf xa giving away wo bitcoin winners share within hours xe xbc xef xb frules win  
follow xe xa  
Sentiment(polarity=0.8, subjectivity=0.4)  
Positive  
top crypto strategist calls bitcoin btc bull run warns pullback coming first  
news xe xa  
Sentiment(polarity=0.375, subjectivity=0.4166666666666663)  
Positive  
goldman sachs hosting client call bitcoin gold inflation  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
xf xa new masks xf xa nonly xf xa  
Sentiment(polarity=0.13636363636363635, subjectivity=0.45454545454545453)  
Positive  
trade crypto forex amp commodities leverage xf giving away btc xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
xe bitcoin xf day nwhen btc first used commercial transaction nwhat better place  
btc atm th xe xa  
Sentiment(polarity=0.25, subjectivity=0.2777777777777773)  
Positive  
perfect place call home urban living metro vanco nyoutube news noticias bitcoin  
cryptocurrenc xe xa  
Sentiment(polarity=0.5, subjectivity=0.5)  
Positive  
thanks laszlo encouraging us eat pizza day bitcoin pizzas mil ncreating xe xa  
Sentiment(polarity=0.2, subjectivity=0.2)  
Positive  
get something done sick charades washington  
Sentiment(polarity=-0.7142857142857143, subjectivity=0.8571428571428571)  
Negative  
might mention bitcoin going make tweet  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral

monero fire airdrop xmrf nsymbol xmrf ntotal supply billion nfollow amp tag  
 people ncommen xe xa  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 bitcoin price nd may bitcoinpizzaday  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 celebrating bitcoin pizza day io draw usdt bitcoin  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 today bitcoin pizza day ncrypto currencies become mainstream value fluctuate  
 wildl xe xa  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 bitcoin future movement head shoulders bitstamp btcusd jsea btc  
 Sentiment(polarity=0.0, subjectivity=0.125)  
 Neutral  
 send btc pool get back interests approx within minutes nlimit xe xa gmd  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 word pride crypto cryptocurrency cryptoinvestor dubai cryptocurrencies bitcoin  
 travel litecoin binaryo xe xa  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 xe invited pizza pa ies today xe going buy bitcoin tell much xe xa  
 Sentiment(polarity=0.2, subjectivity=0.2)  
 Positive  
 bitcoin future movement head shoulders xf bet btc xf xa via xe xb  
 Sentiment(polarity=0.0, subjectivity=0.125)  
 Neutral  
 bitcoinpizzaday bitcoin btc nhappy bitcoin pizza day io draw eth  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 happy bitcoin pizza day samson xf  
 Sentiment(polarity=0.8, subjectivity=1.0)  
 Positive  
 lol mass media cares well generously shares nothing top notch financial advice  
 Sentiment(polarity=0.43333333333333335, subjectivity=0.39999999999999997)  
 Positive  
 goldman sachs hosting client call bitcoin gold inflation via  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 play android ios devices web xf xae nbe farmer xf trader xf xa xe xf xbc  
 investor xf xa xb njoin players get xe xa  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 bitcoin boosted surging interest cbdcs says grayscale decrypt scroll link xe xa  
 Sentiment(polarity=0.0, subjectivity=0.0)

Neutral

sat morn bitcoinwalking overcast brisbane au listened yt pomp podcast nanthony  
pompliano xe xa

Sentiment(polarity=0.0, subjectivity=0.0)

Neutral

kardiachain kai exciting project crypto right kai crypto crypto cryptocurrency  
btc bitcoin xe xa

Sentiment(polarity=0.2928571428571428, subjectivity=0.6678571428571429)

Positive

made first ever crypto purchase bought chainlink traded half bitcoin

Sentiment(polarity=0.04166666666666667, subjectivity=0.25)

Positive

join ente aining bitcoin contest year betfury gaming platform coming xe xa

Sentiment(polarity=0.0, subjectivity=0.0)

Neutral

xe bitcoin xf day nwhen btc first used commercial transaction nwhat better place  
btc atm th xe xa

Sentiment(polarity=0.25, subjectivity=0.27777777777777773)

Positive

bitcoin tool transfer wealth arrogant enough bet supply demand economics xe xa

Sentiment(polarity=0.0, subjectivity=0.5)

Neutral

mask say bitcoin

Sentiment(polarity=0.0, subjectivity=0.0)

Neutral

bitcoin xe bull case remains valid buyers fight maintain xc xa

Sentiment(polarity=0.0, subjectivity=0.0)

Neutral

thought everybody lives around sayi xe xa

Sentiment(polarity=0.0, subjectivity=0.0)

Neutral

xe bitcoin xf day nwhen btc first used commercial transaction nwhat better place  
btc atm th xe xa

Sentiment(polarity=0.25, subjectivity=0.27777777777777773)

Positive

xf xb btc amp stock market outlook deal losing trades stock picks week ahead  
cryptocurrency xe xa

Sentiment(polarity=0.0, subjectivity=0.0)

Neutral

working big episode next week happy able share bitcoin crypto blockchain

Sentiment(polarity=0.325, subjectivity=0.43125)

Positive

happy friday ct nyou asked free bitcoin nlet ni going give person sats ny xe xa

Sentiment(polarity=0.6000000000000001, subjectivity=0.9)

Positive

would spend traveling buy car brother buy new house parents buy new mobile phone  
xe xa

Sentiment(polarity=0.13636363636363635, subjectivity=0.45454545454545453)

Positive  
paid btc lbs coffee beans coffee good neveryone bitcoin pizza day spending xe xa  
Sentiment(polarity=0.7, subjectivity=0.6000000000000001)

Positive  
would spend traveling buy car brother buy new house parents buy new mobile ph xe xa  
Sentiment(polarity=0.13636363636363635, subjectivity=0.45454545454545453)

Positive  
bitcoin freedom  
Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
cryptocurrency bitcoin xc xa xc xa btc cro eth ltc xrp link xe tell mco cha xe look xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
thread nmastering horizontal suppo resistance trading bitcoin nthis comprehensive real world gui xe xa  
Sentiment(polarity=0.2, subjectivity=0.30000000000000004)

Positive  
plans end joke copywriting laws lol jk end conspiracy theorists guilt like eminem tho xe xa  
Sentiment(polarity=0.8, subjectivity=0.7)

Positive  
celebrate bitcoin pizza day xf bingbon giving away btc winners share nto enter follow xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
celebrate bitcoin pizza day xf nowex giving away usdt winners share follow io like amp retw xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
hall btc misinformed friend first wwg wga second bitcoin peo xe xa  
Sentiment(polarity=0.125, subjectivity=0.16666666666666666)

Positive  
happy bitcoin pizza day xc xa xf nto celebrate xe giving away sats free pizza lucky lolli users xc xa xe xa  
Sentiment(polarity=0.5111111111111112, subjectivity=0.8777777777777778)

Positive  
pay bitcoins couple pizzas like maybe large ones left next day lasz xe xa  
Sentiment(polarity=0.07142857142857142, subjectivity=0.14285714285714285)

Positive  
bitcoin hash rate seems decreasing nmaybe profitable mine countries current price ncoult xe xa  
Sentiment(polarity=0.0, subjectivity=0.4)

Neutral  
lawsky previously new york state superintendent financial services listed stone ridge head xe xa  
Sentiment(polarity=0.06818181818181818, subjectivity=0.22727272727272727)

Positive  
 bitcoin tool transfer wealth arrogant enough bet supply demand economics xe xa  
 Sentiment(polarity=0.0, subjectivity=0.5)  
 Neutral  
 texas perfect bitcoin  
 Sentiment(polarity=1.0, subjectivity=1.0)  
 Positive  
 louisiana state senate consider crypto business licensing bill  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 xe bitcoin xf day nwhen btc first used commercial transaction nwhat better place  
 btc atm th xe xa  
 Sentiment(polarity=0.25, subjectivity=0.27777777777777773)  
 Positive  
 use code legitaff comment bitcoin adress paypal mail cashtag free airdro xe xa  
 Sentiment(polarity=0.4, subjectivity=0.8)  
 Positive  
 cybervein bitcoin halving affect platform  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 satoshi probably female simp bitcoin  
 Sentiment(polarity=0.0, subjectivity=0.16666666666666666)  
 Neutral  
 celebrate th anniversary bitcoin pizza day xf kucoin giving away total kcs xf xa  
 xe xa follow xe xa  
 Sentiment(polarity=0.0, subjectivity=0.75)  
 Neutral  
 name dick feel sorry karen  
 Sentiment(polarity=-0.5, subjectivity=1.0)  
 Negative  
 bitcoin already bouncing back ni take bigger dumps diapers nmy teddy bears xf xa  
 xb bigger balls bitcoin xe xa  
 Sentiment(polarity=0.0, subjectivity=0.3333333333333333)  
 Neutral  
 btc bitcoin ultimate contra indicator appeared going way fast gbtc coinbase  
 binance xe xa  
 Sentiment(polarity=0.1, subjectivity=0.8)  
 Positive  
 bitcoin pizza day xf xf xf nretweet friend win cmts cmt ecommerce blockchain  
 dpos btc pizz xe xa  
 Sentiment(polarity=0.8, subjectivity=0.4)  
 Positive  
 happy belated pizza day bitcoin bitcoinpizzaday  
 Sentiment(polarity=0.8, subjectivity=1.0)  
 Positive  
 please stay away shit coin webdollar least nthat make bitcoin wo xe xa  
 Sentiment(polarity=-0.25, subjectivity=0.6000000000000001)  
 Negative

giving away nano bitcoin help spread word could win xe xa  
Sentiment(polarity=0.8, subjectivity=0.4)  
Positive  
wow nearly half years ago bitcoin cash one middle xf xa xa xf xa xa still unsold  
Sentiment(polarity=-0.02222222222222216, subjectivity=0.3888888888888889)  
Negative  
redraw btc winner xf ncongrats xf xa xb hours dm link comment xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
since inflation devalued dollar also since bitcoin bitcoin  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
bitcoin update expect bitcoin pump touch hourly golden cross happen amp hourl xe  
xa  
Sentiment(polarity=0.15, subjectivity=0.25)  
Positive  
gitcoin good bitcoin  
Sentiment(polarity=0.7, subjectivity=0.6000000000000001)  
Positive  
people reveal bad behavior indicates someone nmailonline coronavirus news  
noticias bitcoi xe xa  
Sentiment(polarity=-0.6999999999999998, subjectivity=0.6666666666666666)  
Negative  
learn bitcoin mining comfo njoin bitcoin class  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
holding memorial day giveaway giving bitcoin followers retweet tag frie xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
bitcoin ascending triangle xf bet btc via xe xb xe  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
roger ver eventually abandon bitcoin cash  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
bitcoin continues work independently without fuss modern world bitcoin math  
emoti xe xa  
Sentiment(polarity=0.1, subjectivity=0.2125)  
Positive  
anyone else relate xf bitcoin  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
surveillance video shows us swimmers rio gas station nfoxnews news noticias  
bitcoin cryptocurrency xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
bitcoin twitter best twitter  
Sentiment(polarity=1.0, subjectivity=0.3)

Positive  
new hotel formed train carriages positioned br ndailymailuk news noticias  
bitcoin cryptocur xe xa  
Sentiment(polarity=0.136363636363635, subjectivity=0.454545454545453)  
Positive  
rowling today asked someone help explain bitcoin see gotten variety responses  
hope th xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
xe new video xe ni head swamp known sub marketcap coins nis anything good  
lurking ni che xe xa  
Sentiment(polarity=0.418181818181815, subjectivity=0.527272727272723)  
Positive  
yeah good sure xf many bags different crypto ni tend xe xa  
Sentiment(polarity=0.425, subjectivity=0.647222222222223)  
Positive  
grayscale bitcoin trust whole new level naverage weekly investment million  
naverage weekly xe xa  
Sentiment(polarity=0.168181818181818, subjectivity=0.427272727272725)  
Positive  
ers obasa learn bitcoin mining comfo njoin bitcoin class xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
got ruby red australia xf xa xf xba fantasric card app exchange bitcoin  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
bitcoin btc hashrate freefalling halving th vanished rofl nultra kek nbula mad  
miners exitpum xe xa  
Sentiment(polarity=0.08750000000000002, subjectivity=0.95)  
Positive  
know ct like guy jerome powell fed really understands bitcoin pretty open minde  
xe xa  
Sentiment(polarity=0.15, subjectivity=0.566666666666667)  
Positive  
royalty btc exper xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
breaking bitcoin owned wall street nif keep accumulating bitcoin satoshi xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
nano electronic cash need hold exchange network fees xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
bitches like eat rich get discord call pc boyfriend bitcoin  
Sentiment(polarity=0.375, subjectivity=0.75)  
Positive  
absolutely strange harvard business review publishes incompetent icle treats  
bitcoin xe cstable xe xa

Sentiment(polarity=-0.19999999999999998, subjectivity=0.25833333333333336)  
 Negative  
 lol bitcoin amazon crypto ethereum like ebay chance  
 Sentiment(polarity=0.8, subjectivity=0.7)  
 Positive  
 hello nimfex free giveaway users like retweet follow us twitter xe xa  
 Sentiment(polarity=0.4, subjectivity=0.8)  
 Positive  
 bitcoin investment app ceo calls btc monetary revolution technical one  
 Sentiment(polarity=0.0, subjectivity=0.1)  
 Neutral  
 xe bitcoin xe money  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 bitcoin backed full skepticism discredit government  
 Sentiment(polarity=0.35, subjectivity=0.55)  
 Positive  
 happy pizza day  
 Sentiment(polarity=0.8, subjectivity=1.0)  
 Positive  
 bitcoin apex predator money none previous monetary life forms stand chance gt  
 read xf  
 Sentiment(polarity=-0.16666666666666666, subjectivity=0.16666666666666666)  
 Negative  
 bitcoin least unce monetary system existence rochard  
 Sentiment(polarity=-0.3, subjectivity=0.4)  
 Negative  
 premium faraday bags arrived faraday backpacks phone sleeves hw wallet sleeves  
 dry bags available xe xa  
 Sentiment(polarity=0.16666666666666669, subjectivity=0.5)  
 Positive  
 two papa john pizzas njump sta ing new economy pricele  
 Sentiment(polarity=0.13636363636363635, subjectivity=0.45454545454545453)  
 Positive  
 happy bitcoin pizza day  
 Sentiment(polarity=0.8, subjectivity=1.0)  
 Positive  
 happy bitcoin pizza day  
 Sentiment(polarity=0.8, subjectivity=1.0)  
 Positive  
 happy bitcoin pizza day  
 Sentiment(polarity=0.8, subjectivity=1.0)  
 Positive  
 ctdl happy bitcoin pizza day  
 Sentiment(polarity=0.8, subjectivity=1.0)  
 Positive  
 bitcoin network designed beautifully always awe inspiring see protocol simply  
 work chugging along xe xa



Sentiment(polarity=0.45, subjectivity=0.7857142857142857)  
Positive  
happy bitcoin pizza day  
Sentiment(polarity=0.8, subjectivity=1.0)  
Positive  
great hear vision using lightning network quicker settlement bitcoin allo xe xa  
Sentiment(polarity=0.8, subjectivity=0.75)  
Positive  
first laugh mine bitcoin  
Sentiment(polarity=0.275, subjectivity=0.2166666666666667)  
Positive  
government big business stealing money naudio documentary featuring xe xa  
Sentiment(polarity=0.0, subjectivity=0.05)  
Neutral  
bitcoin savings technology  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
ok banker  
Sentiment(polarity=0.5, subjectivity=0.5)  
Positive  
bitcoins primary value freedom money invention seperates money state puts check  
au xe xa  
Sentiment(polarity=0.4, subjectivity=0.5)  
Positive  
venezuela filed billion lawsuit bank england releasing gold stored xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
digitally centralized assets deeply unsafe put much family wealth assets  
stranger xe xa  
Sentiment(polarity=0.0666666666666667, subjectivity=0.20000000000000004)  
Positive  
bitcoin first incorruptible substance humanity ever nthis wo listen  
Sentiment(polarity=0.375, subjectivity=0.5666666666666667)  
Positive  
gold trillion market cap zero merchant adoption nso people think bitcoin value  
xe xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
calling rustaceans nthe good folks suppo ing initiative establish new  
decentralized sta xe xa  
Sentiment(polarity=0.41818181818181815, subjectivity=0.5272727272727273)  
Positive  
bitcoin issuance rate par gold nmeanwhile top central banks printed trillion  
past xe xa  
Sentiment(polarity=0.08333333333333333, subjectivity=0.3333333333333333)  
Positive  
bitcoin usd transferred possible satoshi owned wallet xe xb xef xb coins  
transaction xe xa

Sentiment(polarity=0.0, subjectivity=1.0)  
Neutral  
btc usd transferred possible satoshi owned wallet dormant since unknown wallet  
Sentiment(polarity=-0.05, subjectivity=0.8)  
Negative  
satoshi  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
wrong answers proves craig satoshi  
Sentiment(polarity=-0.1, subjectivity=0.45)  
Negative  
reminder need ask anyone permission use build contribute bitcoin  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
bitcoin optech newsletter relays request comment proposed change bip taproot  
transact xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
congratulations first contribution bitcoin  
Sentiment(polarity=0.25, subjectivity=0.3333333333333333)  
Positive  
people ask sure model nof course bitcoin model guarantee nbut  
Sentiment(polarity=0.5, subjectivity=0.8888888888888888)  
Positive  
get one run  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
im bit bored btc feel like xe kinda seen fud scammers xe cinstitutional adoption  
xe xe cuse xe xa  
Sentiment(polarity=-0.5, subjectivity=1.0)  
Negative  
inflation theft means fed stealing time mean everyone around xe xa  
Sentiment(polarity=-0.3125, subjectivity=0.6875)  
Negative  
joined us effo fu decentralize bitcoin mining rust dev skills want join xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
everyone square crypto mad including info nwe looking devs want help build stra  
xe xa  
Sentiment(polarity=-0.625, subjectivity=1.0)  
Negative  
live computer simulation bitcoin latest software update  
Sentiment(polarity=0.3181818181818182, subjectivity=0.7)  
Positive  
bitcoin higher uptime every major tech company ngood luck trying stop  
Sentiment(polarity=0.15625, subjectivity=0.5)  
Positive  
chairman adve ising bitcoin keep good work

Sentiment(polarity=0.7, subjectivity=0.6000000000000001)  
Positive  
lagarde says risk euro currency irreversible nok boomer  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
defiance episode bitcoin one lesson nmy entire episode beginner guide filtered  
single episode xe xa  
Sentiment(polarity=-0.03571428571428571, subjectivity=0.41964285714285715)  
Negative  
money counter brrr  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
bitcoin official account bitcoin official leader bitcoin official anything  
entire point  
Sentiment(polarity=0.0, subjectivity=0.625)  
Neutral  
crossed billionth trade threshold crypto market database holds billion trades xe  
xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
tweet league count  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
name iconic tweet wait  
Sentiment(polarity=0.5, subjectivity=0.5)  
Positive  
weird one bitcoin xe defense mechanisms ndespite meteoric price rise exponential  
global adoption since xe xa  
Sentiment(polarity=-0.25, subjectivity=0.5)  
Negative  
also good bitcoin  
Sentiment(polarity=0.7, subjectivity=0.6000000000000001)  
Positive  
bitcoin fixes  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
bitcoin fixes  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
federal reserve chairman print money digitally central bank ability create money  
Sentiment(polarity=0.0, subjectivity=0.25)  
Neutral  
bitcoin created  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
money printer goes brrr  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral

podcast episode mandatory xe xa xef xb njoin ybent odell sit mahmudov discuss br  
xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
take red pill question money  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
bitcoiners revolutionaries  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
keys bitcoin  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
xf hodling xf xf using xf  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
ceo coinbase responded fake jk rowling tweet encouraged buy shitcoins  
Sentiment(polarity=-0.5, subjectivity=1.0)  
Negative  
people lebanon get week money nfull repo situation  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
bitcoin created  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
explain bitcoin single tweet  
Sentiment(polarity=-0.07142857142857142, subjectivity=0.21428571428571427)  
Negative  
rowling angry disappointed  
Sentiment(polarity=-0.625, subjectivity=0.875)  
Negative  
rowling  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
eliminating trusted third parties bitcoin restores many best qualities money  
natively online xe xa  
Sentiment(polarity=0.5, subjectivity=0.26666666666666666)  
Positive  
good bitcoin  
Sentiment(polarity=0.7, subjectivity=0.6000000000000001)  
Positive  
need bitcoin makes people question works buy nbtw th xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
rowling ig bitcoin fix  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
rowling chance use xf xa

Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
good bitcoin  
Sentiment(polarity=0.7, subjectivity=0.6000000000000001)  
Positive  
rowing thing smooth bitcoin supply curve  
Sentiment(polarity=0.4, subjectivity=0.5)  
Positive  
bitcoin nthey equivalent  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
thing smooth bitcoin supply curve  
Sentiment(polarity=0.4, subjectivity=0.5)  
Positive  
video explains bitcoin two minutes  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
fair enough  
Sentiment(polarity=0.35, subjectivity=0.7)  
Positive  
bitcoin may seem complex even today people explain internet works nthi xe xa  
Sentiment(polarity=-0.3, subjectivity=0.4)  
Negative  
rowing cuen wizards still need trust gringotts bank nbitcoin fixes  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
cuen wizards still need trust gringotts bank nbitcoin fixes  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
xe magic internet money  
Sentiment(polarity=0.5, subjectivity=1.0)  
Positive  
good bitcoin  
Sentiment(polarity=0.7, subjectivity=0.6000000000000001)  
Positive  
welcome greater depression structure  
Sentiment(polarity=0.65, subjectivity=0.7)  
Positive  
favorite slides talk nfiat vs crypto quote currency dominance volume ndata  
Sentiment(polarity=0.5, subjectivity=1.0)  
Positive  
sta ed st place amp nd place ntoday reached new mi xe xa  
Sentiment(polarity=0.136363636363635, subjectivity=0.454545454545453)  
Positive  
delighted announce launch open source developer grant program program hope add  
xe xa  
Sentiment(polarity=0.35, subjectivity=0.6)  
Positive

freedom prope rights inseparable one without george washington  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral

happy announce book bitcoin time finally nnow available paperback kindle xe xa  
Sentiment(polarity=0.4000000000000001, subjectivity=0.7999999999999999)  
Positive

formation th hodl wave described presentation conference https xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral

cryptocurrency bloomed diverse ecosystem nprofessor coins ncorporate coins  
nprivacy coins nstable coins nmeme coins xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral

either use bitcoin node trust  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral

price beginning bitcoin epochs st epoch single digit nd epoch two digits rd  
epoch three digits xe xa  
Sentiment(polarity=-0.07142857142857142, subjectivity=0.21428571428571427)  
Negative

bitcoin epoch iii ended truly remarkable see far come along since nhere xe xa  
Sentiment(polarity=0.425, subjectivity=0.875)  
Positive

good things come wait  
Sentiment(polarity=0.7, subjectivity=0.6000000000000001)  
Positive

published new paper bitcoin history exponentially increasing series speculative  
bubbles xe xa  
Sentiment(polarity=0.13636363636363635, subjectivity=0.45454545454545453)  
Positive

twenty four hours halving  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral

ignorati logic problem however number copycat cryptocurrencies undermines idea  
scar xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral

bitcoin optech newsletter describes proposal taproot signatures make additional  
commitment sp xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral

meteor approaching ea nfed allow human survival crisis turn liquidity crisis  
Sentiment(polarity=0.0, subjectivity=0.05)  
Neutral

bang bang owns bitcoin xf xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral

bitcoin correlated amp cope stonk bagholders could wish also open bitcoin xe xa

Sentiment(polarity=0.0, subjectivity=0.5)  
 Neutral  
 sho story  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 bitcoin flattens curve  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 wow super neat  
 Sentiment(polarity=0.21666666666666667, subjectivity=0.8333333333333333)  
 Positive  
 sho story  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 nytimes apr injection fed plan far exceeds rescue  
 Sentiment(polarity=0.1, subjectivity=1.0)  
 Positive  
 money three futures nwhich one choose  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 government prints trillions dollars thin air bitcoin reduced issuance xe xa  
 Sentiment(polarity=-0.4, subjectivity=0.8500000000000001)  
 Negative  
 bitcoin halving occurred block nwe th epoch  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 tick tock blocks  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 geiger halvening  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 today marks pivotal moment history nthe third bitcoin halving nlet xe make  
 hashtag trend fall xe xa  
 Sentiment(polarity=0.25, subjectivity=0.4)  
 Positive  
 tick tock blocks  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 xf xa bitcoin halving block visible  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 tick tock blocks  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 tick tock blocks  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral

tick tock blocks  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 tick tock blocks  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 minute block satoshi building suspense  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 tick tock blocks  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 retweet last halving like next  
 Sentiment(polarity=0.0, subjectivity=0.03333333333333333)  
 Neutral  
 tick tock less blocks  
 Sentiment(polarity=-0.16666666666666666, subjectivity=0.06666666666666667)  
 Negative  
 halving uneventful means worked design  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 tick tock less blocks  
 Sentiment(polarity=-0.16666666666666666, subjectivity=0.06666666666666667)  
 Negative  
 far come ntime lapse bitcoin price  
 Sentiment(polarity=0.1, subjectivity=1.0)  
 Positive  
 paul tudor jones says assets traditional system seems risky  
 Sentiment(polarity=0.0, subjectivity=0.75)  
 Neutral  
 tick tock less blocks  
 Sentiment(polarity=-0.16666666666666666, subjectivity=0.06666666666666667)  
 Negative  
 check bitcoin halving livestream pa ad  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 money really simple insist making complicated  
 Sentiment(polarity=-0.25, subjectivity=0.6785714285714286)  
 Negative  
 bitcoin literally money mind  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 code makes bitcoin halving work nororiginally  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 xe always confused goldbugs agree almost every pa bitcoin xe design purpose end  
 xe xa  
 Sentiment(polarity=-0.4, subjectivity=0.7)



Negative  
tick tock less blocks  
Sentiment(polarity=-0.16666666666666666, subjectivity=0.06666666666666667)  
Negative  
tick tock less blocks  
Sentiment(polarity=-0.16666666666666666, subjectivity=0.06666666666666667)  
Negative  
week nomics update revamped cryptoasset pages gains greater xe cshare voice xe  
cry xe xa  
Sentiment(polarity=0.5, subjectivity=0.5)  
Positive  
good prope ies money fixed unchanging reliable secure ngood prope ies technology  
iterating quickly expanding xe xa  
Sentiment(polarity=0.3833333333333333, subjectivity=0.475)  
Positive  
halving demonstrate even decade monetary policy bitcoin determined software  
humans  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
tick tock less blocks  
Sentiment(polarity=-0.16666666666666666, subjectivity=0.06666666666666667)  
Negative  
adam emerges fud stasis  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
bitcoin era uptime major updates gt crushed chinese mining pool ca el crushed vc  
backed xe xa  
Sentiment(polarity=-0.034375, subjectivity=0.175)  
Negative  
halving bitcoin lower inflation rate gold  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
days time bitcoin experience rd block reward halving mining reward reduc xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
bitcoin risky ce  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
best profit maximizing strategy fastest horse best performer get wed xe xa  
Sentiment(polarity=1.0, subjectivity=0.3)  
Positive  
tick tock less blocks  
Sentiment(polarity=-0.16666666666666666, subjectivity=0.06666666666666667)  
Negative  
also made case owning bitcoin quintessence scarcity premium literally large  
tradeable xe xa  
Sentiment(polarity=0.21428571428571427, subjectivity=0.42857142857142855)  
Positive

bitcoin equals might make sense get case catches enough people think xe xa  
 Sentiment(polarity=0.0, subjectivity=0.5)  
 Neutral  
 tick tock less blocks  
 Sentiment(polarity=-0.16666666666666666, subjectivity=0.06666666666666667)  
 Negative  
 paul tudor jones buys bitcoin citing echo gold bloomberg nthis huge  
 Sentiment(polarity=0.4000000000000001, subjectivity=0.9)  
 Positive  
 remember claimed bitcoin failed died nwhere  
 Sentiment(polarity=-0.5, subjectivity=0.3)  
 Negative  
 tick tock less blocks  
 Sentiment(polarity=-0.16666666666666666, subjectivity=0.06666666666666667)  
 Negative  
 cool thread cypherpunk legend hal finney lots things know  
 Sentiment(polarity=0.35, subjectivity=0.65)  
 Positive  
 life last halving free kraken webinar dan held amp special guests  
 Sentiment(polarity=0.2523809523809524, subjectivity=0.4793650793650794)  
 Positive  
 bitcoin could negative impact reputation central banks assuming use systems  
 grows xe xa  
 Sentiment(polarity=-0.15, subjectivity=0.325)  
 Negative  
 bitcoin xf xa last money yojoe xf xb savings technology rochard xf symbol hope  
 xe xa  
 Sentiment(polarity=0.0, subjectivity=0.06666666666666667)  
 Neutral  
 gold old  
 Sentiment(polarity=0.1, subjectivity=0.2)  
 Positive  
 daily reminder  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 libre libra  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 bitcoin optech newsletter links discussion enhanced qr codes communicating large  
 txs incl xe xa  
 Sentiment(polarity=0.21428571428571427, subjectivity=0.42857142857142855)  
 Positive  
 tick tock less blocks  
 Sentiment(polarity=-0.16666666666666666, subjectivity=0.06666666666666667)  
 Negative  
 tick tock less blocks  
 Sentiment(polarity=-0.16666666666666666, subjectivity=0.06666666666666667)  
 Negative

give man bitcoin xe spend day nteach man hodl bitcoin spend rest time tw xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
bitcoin anarchy scalable entire world worlds  
Sentiment(polarity=0.0, subjectivity=0.625)  
Neutral  
source fnh  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
browsing internet  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
tick tock less blocks  
Sentiment(polarity=-0.16666666666666666, subjectivity=0.06666666666666667)  
Negative  
lot people automatically dismiss currency lost cause companies fai xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
billions kicks bitcoin  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
genesis block  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
slp bitcoin fx evolution collectible financial asset nthis xe xa  
Sentiment(polarity=-0.25, subjectivity=0.4)  
Negative  
know needs hear hodl keys bitcoin  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
bitcoin better real estate prope taxes maintenance squatters lawsuits xe xa  
Sentiment(polarity=0.35, subjectivity=0.4)  
Positive  
inflation sneaks  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
math deceiving nit true every hodler willing sell current price xe xa  
Sentiment(polarity=0.19999999999999998, subjectivity=0.6)  
Positive  
interested helping develop solutions one bitcoin cryptocurrency xe impo ant long  
term threats know rust xe xa  
Sentiment(polarity=0.1, subjectivity=0.45)  
Positive  
bitcoin economy never closes  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
sat standard may nd nhighlights bitcoin argentina payjoin sponsoring xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
 reading still early bitcoin  
 Sentiment(polarity=0.1, subjectivity=0.3)

Positive  
 hey ncan really free without free currency  
 Sentiment(polarity=0.4, subjectivity=0.8)

Positive  
 cost wizard bitcoin btc btc  
 Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
 gradually suddenly bitcoin common sense million bitcoin ever vs dollars created  
 xe xa  
 Sentiment(polarity=-0.15, subjectivity=0.5)

Negative  
 spiritual reflections bitcoin halving bitcoin halving like new year eve time  
 differences xe xa  
 Sentiment(polarity=0.06818181818181818, subjectivity=0.29393939393939394)

Positive  
 crypto news roundup jan join coindesk podcast editor adam levine senior markets  
 repo er brad xe xa  
 Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
 central bank digital currencies need decentralization reap full benefits digital  
 currencies central ban xe xa  
 Sentiment(polarity=0.06999999999999999, subjectivity=0.21000000000000002)

Positive  
 shadow satoshi xe ghost bitcoin mythology matters myth making around satoshi  
 reinforces xe xa  
 Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
 money reimagined designer money machine run post covid world pandemic likely  
 accelerate shift xe xa  
 Sentiment(polarity=0.0, subjectivity=1.0)

Neutral  
 fed fork stellar kin looking move onto solana kin foundation seeking move kin xe  
 xa  
 Sentiment(polarity=0.25, subjectivity=0.25)

Positive  
 renbtc quietly goes live latest bid bring bitcoin ethereum renbtc latest  
 implementation bitcoin xe xa  
 Sentiment(polarity=0.28409090909090906, subjectivity=0.6583333333333333)

Positive  
 bitcoin drops despite golden cross bank calls us stimulus bitcoin struggling  
 gather ups xe xa  
 Sentiment(polarity=0.15, subjectivity=0.25)

Positive  
 vote eos candidates wants locations first  
 Sentiment(polarity=0.225, subjectivity=0.21666666666666667)

Positive

us lawmaker proposes legislative groundwork national blockchain strategy new  
bill congress asks xe xa

Sentiment(polarity=0.136363636363635, subjectivity=0.454545454545453)

Positive

blockchain spo tv app ship samsung phones us soon available xe xa

Sentiment(polarity=0.4, subjectivity=0.4)

Positive

aeternity blockchain launches content tipping project xe superhero xe superhero  
lets users increase exposure th xe xa

Sentiment(polarity=0.0, subjectivity=0.0)

Neutral

bitcoin mining difficulty drops first adjustment halving bitcoin network fine  
tuned key xe xa

Sentiment(polarity=0.222222222222224, subjectivity=0.611111111111111)

Positive

nvidia disguised xe fickle xe crypto mining sales gaming revenue lawsuit claims  
amended lawsuit accuses xe xa

Sentiment(polarity=0.0, subjectivity=0.0)

Neutral

eu supercomputers hijacked covid research mine cryptocurrency number  
supercomputers programmed xe xa

Sentiment(polarity=0.0, subjectivity=0.0)

Neutral

developers ethereum privacy tool tornado cash smash keys developers ether mixer  
tornado cash dest xe xa

Sentiment(polarity=0.0, subjectivity=0.0)

Neutral

accel coinbase join pre seed round institutional crypto trading firm falconx  
crypto trading firm pit xe xa

Sentiment(polarity=-0.2000000000000004, subjectivity=0.4000000000000001)

Negative

crypto long amp sho mining derivatives point growing sophistication noelle  
acheson picks apa trends globa xe xa

Sentiment(polarity=-0.05, subjectivity=0.4)

Negative

trading contest synthetix aims showcase speed new dex tech synthetix putting  
crypto xe xa

Sentiment(polarity=0.136363636363635, subjectivity=0.454545454545453)

Positive

jk rowling asks bitcoin accursed crypto twitter scares took three hours crypto  
twit xe xa

Sentiment(polarity=0.0, subjectivity=0.0)

Neutral

bitcoin fits new monetary order third pa breakdown xe money reimagined series  
looks th xe xa

Sentiment(polarity=0.068181818181818, subjectivity=0.227272727272727)

Positive

questions cosmos xe sunny aggarwal tendermint cosmos developer pa time pirate  
 sunny aggarwal xe xa  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 aggrieved investors mull suing telegram canceled ton blockchain project backers  
 shelved ton xe xa  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 surveying carnage movies spo education crisis covid crisis grows industries xe  
 xa  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 copper claims new tool removes credit risk crypto trading copper clearloop tool  
 lets two pa ies finalize xe xa  
 Sentiment(polarity=0.13636363636363635, subjectivity=0.45454545454545453)  
 Positive  
 iov labs takes lightning network new light client iov labs builds platforms  
 secured bitcoin xe ha xe xa  
 Sentiment(polarity=0.2681818181818182, subjectivity=0.5772727272727273)  
 Positive  
 kathleen breitman xe xe blaze glory xe ceo tezos reveals biggest fear inspires  
 xe xa  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 debt xe buy growth feat jeff booth conversation xe cprice tomorrow xe author key  
 str xe xa  
 Sentiment(polarity=0.0, subjectivity=1.0)  
 Neutral  
 people filed claims refunds quadrigacx auditor ey says close made claim xe xa  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 stablecoin supply breaks traders demand dollars bitcoin value assets stablecoins  
 surpa xe xa  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 future xe live kathleen breitman caitlin long consensus distributed gaming xe xa  
 Sentiment(polarity=0.028787878787878782, subjectivity=0.34166666666666666)  
 Positive  
 blockchain bites making sense halving consensus distributed xe first day get  
 news first xe xa  
 Sentiment(polarity=0.25, subjectivity=0.3333333333333333)  
 Positive  
 bitcoin halving arrives mining rewards drop third time history bitcoin third  
 halving every four xe xa  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 great monetary inflation paul tudor jones xe complete case bitcoin story behind  
 soundbite one xe xa

Sentiment(polarity=0.16666666666666666, subjectivity=0.61666666666666666)  
Positive  
scams schemes crypto privacy feat preston byrne xe cthere xe easy answers xe  
bitcoin companies says lawye xe xa  
Sentiment(polarity=0.43333333333333335, subjectivity=0.8333333333333334)  
Positive  
michelle phan beauty bitcoin beauty mogul michelle phan says million youtube  
subscribers xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
market wrap interest bitcoin rises prices near continue casual investors hearing  
abou xe xa  
Sentiment(polarity=-0.20000000000000007, subjectivity=0.6333333333333333)  
Negative  
covid crisis revived digital dollar debate americans still waiting stimulus  
suppo xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
internal struggle bitcoin mining giant bitmain escalates physical confrontation  
micree ketuan zhan th xe xa  
Sentiment(polarity=0.0, subjectivity=0.38095238095238093)  
Neutral  
bitcoin breaches first time since february bitcoin price broken barrier days  
befor xe xa  
Sentiment(polarity=-0.07500000000000001, subjectivity=0.3666666666666667)  
Negative  
bitcoin news roundup may btc could hit mining ramps coindesk markets daily po xe  
xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
stellar enterprise fund invests crypto app abra ahead blockchain integration  
million capital allo xe xa  
Sentiment(polarity=0.25, subjectivity=0.25)  
Positive  
bitcoin revenue square xe cash app tops fiat revenue first time bitcoin profit  
square xe cash xe xa  
Sentiment(polarity=0.25, subjectivity=0.3333333333333333)  
Positive  
bitcoin news roundup may btc stays new sta ups wrestle market share co xe xa  
Sentiment(polarity=0.13636363636363635, subjectivity=0.45454545454545453)  
Positive  
amun launches token tracking inverse bitcoin xe price swiss etp provider new  
token lets traders make xe xa  
Sentiment(polarity=0.13636363636363635, subjectivity=0.45454545454545453)  
Positive  
market wrap bitcoin volatility higher amp lower oil bitcoin volatility risen bit  
xe xa  
Sentiment(polarity=0.25, subjectivity=0.5)

Positive

blockfi hires credit suisse prudential execs drive global expansion crypto  
lender blockfi hired two execs xe xa

Sentiment(polarity=0.0, subjectivity=0.0)

Neutral

ibm teams european power grids build green energy blockchain platform ibm  
created new blockchain xe xa

Sentiment(polarity=-0.021212121212122, subjectivity=0.2515151515151515)

Negative

ibm merck declare fda backed drug tracing blockchain success ibm merck walma  
kpmg xe drug tracing blockc xe xa

Sentiment(polarity=0.3, subjectivity=0.0)

Positive

near protocol launches following token sale led andreessen horowitz near  
announced monday closing xe xa

Sentiment(polarity=0.06666666666666667, subjectivity=0.3)

Positive

us cou dismisses lawsuit riot blockchain xe crypto pivot judge dismissed lawsuit  
alleging xe xa

Sentiment(polarity=0.0, subjectivity=0.0)

Neutral

crypto long amp sho bitcoin xe big rally sign economic resilience bitcoin  
underlying technology xe xa

Sentiment(polarity=0.05000000000000001, subjectivity=0.2333333333333333)

Positive

enterprise blockchains walled yet vulnerable private enterprise blockchains  
prone insider attacks xe xa

Sentiment(polarity=-0.25, subjectivity=0.4375)

Negative

bitcoin halving world xe largest mining pool helping miners xe de risk xe pool  
largest bitcoin xe xa

Sentiment(polarity=0.0, subjectivity=0.0)

Neutral

bitfinex tether seek subpoenas across us hunt missing bitfinex tether xe parent  
company wants xe xa

Sentiment(polarity=0.0, subjectivity=0.07500000000000001)

Neutral

learn telegram xe token troubles telegram success blinded investors risks  
inherent bui xe xa

Sentiment(polarity=0.3, subjectivity=0.0)

Positive

american buyers fueling bitcoin xe rally data suggests spot futures markets  
reflect strong bullish sen xe xa

Sentiment(polarity=0.21666666666666665, subjectivity=0.36666666666666664)

Positive

crypto exchange okcoin jumped hoops get licensed japan japan known retail marke  
xe xa

Sentiment(polarity=0.0, subjectivity=0.0)



Neutral

andreessen horowitz doubles crypto investments new fund andressen horowitz  
pointed next gene xe xa

Sentiment(polarity=0.06818181818181818, subjectivity=0.22727272727272727)

Positive

bitcoin news roundup april comes btc price bump telegram pulls back token sale  
xe xa

Sentiment(polarity=0.0, subjectivity=0.0)

Neutral

alibaba patents blockchain system spots music copycats commerce giant patented  
blockchain based xe xa

Sentiment(polarity=0.0, subjectivity=1.0)

Neutral

currencies fail primer dollar crisis lebanon massive sho age dollars instigating  
econom xe xa

Sentiment(polarity=-0.25, subjectivity=0.6499999999999999)

Negative

europeans believe crypto still around years survey poll bitflyer europe suggests  
conf xe xa

Sentiment(polarity=0.0, subjectivity=0.0)

Neutral

boerse stuttgart xe bitcoin exchange adds stop orders volatility hedge firm says  
implemented volatilit xe xa

Sentiment(polarity=-0.2, subjectivity=0.4)

Negative

covid mass surveillance machine feat maya zehavi exploration covid crisis  
shiftin xe xa

Sentiment(polarity=0.0, subjectivity=0.0)

Neutral

bitcoin news roundup april bitcoin could hit soon indonesia created thornless  
durian xe xa

Sentiment(polarity=0.0, subjectivity=0.0)

Neutral

defi project dforce refunds affected users hack sma contract hack xe xa

Sentiment(polarity=0.0, subjectivity=0.0)

Neutral

blockchain bites capital constraining compliance tether xe xe interoperability  
bridge xe researchers developin xe xa

Sentiment(polarity=0.0, subjectivity=0.0)

Neutral

coindesk live xe catastrophic crypto caper quadrigacx know story dead ceo  
million cus xe xa

Sentiment(polarity=-0.03181818181818183, subjectivity=0.45)

Negative

netherlands xe aml interpretation appears killing crypto firms announced  
closure one man bitcoin xe xa

Sentiment(polarity=0.0, subjectivity=0.0)

Neutral

ether futures activity grows ahead july protocol upgrade new bitmex contract  
soaring bitfinex long positi xe xa  
Sentiment(polarity=0.0431818181818175, subjectivity=0.427272727272725)  
Positive  
lightning network messaging political expediency crisis revealed time increasing  
censorship xe xa  
Sentiment(polarity=0.0, subjectivity=0.1)  
Neutral  
rise asics step step history bitcoin mining machines maintain bitcoin network un  
xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
bitcoin halving xe arms race xe miner efficiency intensifies lead next bitcoin  
halving xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
us authorities freeze covid website alleged scammer tried sell bitcoin depa  
ments justice xe xa  
Sentiment(polarity=-0.1, subjectivity=0.1)  
Negative  
market wrap bitcoin steady sho sellers back bitcoin traded sideways friday  
staying around xe xa  
Sentiment(polarity=0.0833333333333333, subjectivity=0.25)  
Positive  
coinbase launches price oracle aimed reduce systemic risk defi space around  
billions dollars lock xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
bitcoin news roundup april bitcoin going around around italy uses blockchain  
prev xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
first mover bitcoin catches almighty dollar even xe dash cash bitcoin looking  
like store xe xa  
Sentiment(polarity=0.25, subjectivity=0.3333333333333333)  
Positive  
arctos inks sale leaseback deal bitcoin miner blockware mining company use  
funding ex xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
openfinance warns delist security tokens without new funds openfinance says  
delist securit xe xa  
Sentiment(polarity=0.13636363636363635, subjectivity=0.45454545454545453)  
Positive  
market wrap oil rebounds crypto makes gains especially ether oil xe bounceback  
performance seems taking xe xa  
Sentiment(polarity=0.0, subjectivity=1.0)  
Neutral

everledger offers diamond industry blockchain based carbon offsetting track  
 trace blockchain pioneer everledge xe xa  
 Sentiment(polarity=0.1, subjectivity=0.0)  
 Positive  
 bittrex exec joins mo gage giant fannie mae crypto exchange xe brush nydfs  
 reversing pattern gov xe xa  
 Sentiment(polarity=0.0, subjectivity=1.0)  
 Neutral  
 market wrap oil turmoil bitcoin gains slightly oil futures continue collapse  
 bitcoin holds xe xa  
 Sentiment(polarity=-0.16666666666666666, subjectivity=0.16666666666666666)  
 Negative  
 researchers surface privacy vulnerabilities bitcoin lightning network payments  
 privacy holes lightning xe xa  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 facebook xe xe scaled back xe libra proposal dangerous think stablecoin  
 announcements china xe xa  
 Sentiment(polarity=-0.3, subjectivity=0.45)  
 Negative  
 big tech signs rare open source pledge boost supplies covid major tech firms  
 opening patents xe xa  
 Sentiment(polarity=0.090625, subjectivity=0.5)  
 Positive  
 hong kong xe first regulator approved bitcoin fund targets raise hong kong  
 securities futures commissio xe xa  
 Sentiment(polarity=0.25, subjectivity=0.3333333333333333)  
 Positive  
 singapore xe tax airdrops hard forks new crypto guidance singapore xe taxation  
 authority clarified xe xa  
 Sentiment(polarity=-0.07765151515151517, subjectivity=0.49810606060606055)  
 Negative  
 crypto long amp sho battle yields current crisis mean value actual cash xe xa  
 Sentiment(polarity=-0.090625, subjectivity=0.39687500000000003)  
 Negative  
 weekend attack drains decentralized protocol dforce crypto dforce appears lost  
 control xe xa  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 asset manager renaissance eyes bitcoin futures flagship fund renaissance  
 technologies xe market crushing xe xa  
 Sentiment(polarity=0.4, subjectivity=0.9)  
 Positive  
 bitcoin halving miners expect crypto markets react xe cif price performance  
 following november xe xa  
 Sentiment(polarity=0.0, subjectivity=0.1)  
 Neutral  
 market wrap crypto mining stock hut jumps unusually high trading volume hut

mining corporation saw bump xe xa  
 Sentiment(polarity=0.16, subjectivity=0.5399999999999999)  
 Positive  
 custody sta curv follows crypto demand asia new hong kong office custody sta  
 curv expanded xe xa  
 Sentiment(polarity=0.13636363636363635, subjectivity=0.45454545454545453)  
 Positive  
 money reimagined demand usd stablecoins foreshadows financial disruption  
 pandemic increased demand fo xe xa  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 market wrap ether making big gains stablecoins proliferate ethereum ethereum  
 network become pla xe xa  
 Sentiment(polarity=0.0, subjectivity=0.1)  
 Neutral  
 decentralized protocol removed eu contact tracing website without notice eu  
 researchers concerned xe xa  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 open interest cme bitcoin futures rises institutions return market open interest  
 bitcoin futures xe xa  
 Sentiment(polarity=0.0, subjectivity=0.5)  
 Neutral  
 solana blockchain adds korean stablecoin terra better payments solana adding  
 terra stablecoin eff xe xa  
 Sentiment(polarity=0.5, subjectivity=0.5)  
 Positive  
 market wrap bitcoin price volatility declines contrast amp coronavirus upends  
 economic patterns xe xa  
 Sentiment(polarity=0.2, subjectivity=0.2)  
 Positive  
 andrew yang says current stimulus payments americans xe enough andrew yang ex  
 presidential contender xe xa  
 Sentiment(polarity=0.0, subjectivity=0.45)  
 Neutral  
 chinese defi platform dforce raises multicoin huobi capital one china xe largest  
 defi platforms xe xa  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 bitcoin tests spot trading volumes subside normal levels weeks elevated activity  
 trading volum xe xa  
 Sentiment(polarity=0.15, subjectivity=0.6499999999999999)  
 Positive  
 makerdao users sue stablecoin issuer following xe black thursday xe losses  
 lawsuit maker foundation clai xe xa  
 Sentiment(polarity=-0.08333333333333333, subjectivity=0.26666666666666666)  
 Negative  
 bitcoin drops traders see bearish signals futures markets bitcoin slid monday

lowest point pas xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
europe debates covid contact tracing respects privacy european researchers  
looking ways track xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
covid xe immunity passpo xe unites firms self sovereign id project covid  
credentials initiative cci xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
investors lost big poloniex flash crash receive bitcoin refunds poloniex allowed  
margin trading coin xe xa  
Sentiment(polarity=0.0, subjectivity=0.1)  
Neutral  
margin lenders lost million may poloniex crypto crash margin lenders poloniex  
got hit xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
making sense sec xe case telegram telegram lost another round cou se xe xe xa  
Sentiment(polarity=-0.15000000000000002, subjectivity=0.5)  
Negative  
bitcoin halving miners preparing lower block rewards latest bitcoin halving  
approaches miners xe xa  
Sentiment(polarity=0.5, subjectivity=0.9)  
Positive  
quantitative tightening key questions changing world wrap another crazy week xe  
million xe xa  
Sentiment(polarity=-0.3, subjectivity=0.95)  
Negative  
factom xe two employees press despite lead investor xe call liquidate factom inc  
cut percent pe xe xa usmteljl  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
new york power plant greenidge sold bitcoin mining hash rate greenidge  
generation upstate xe xa  
Sentiment(polarity=0.13636363636363635, subjectivity=0.45454545454545453)  
Positive  
profit taking keeps bitcoin tight range fed reopens spigot bitcoin ether fell  
slightly thursday tradi xe xa nmlog  
Sentiment(polarity=-0.17261904761904762, subjectivity=0.22619047619047616)  
Negative  
internet voting xe secure xe blockchain xe help warns scientific body internet  
voting tools xe including xe xa  
Sentiment(polarity=0.4, subjectivity=0.6)  
Positive  
crypto trading volumes rise india banking crisis covid lockdown nationwide  
coronavirus lockdown xe xa

Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
top cryptos edge derivatives data suggests newfound risk aversion among traders  
bitcoin ether climbed mo xe xa  
Sentiment(polarity=0.5, subjectivity=0.5)  
Positive  
bitcoin cash undergoes xe halving xe event casting shadow miner profitability  
bitcoin cash blockchain network xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
power ledger inks deal allow french consumers customize green energy mix  
australian firm breaking int xe xa  
Sentiment(polarity=-0.1, subjectivity=0.175)  
Negative  
bitcoin tracks stocks sliding back bitcoin trended higher along many traditional  
xe xa  
Sentiment(polarity=0.1875, subjectivity=0.4375)  
Positive  
tesla completes blockchain pilot speed china impo process electric car  
manufacturer pa icipated xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
bitcoin xe future exactly coming upgrade could improve privacy scaling privacy  
scaling upgrad xe xa  
Sentiment(polarity=0.125, subjectivity=0.1875)  
Positive  
nestl xc xa pa ners rainforest alliance trace coffee beans nestl xc xa added zo  
xc xa gas coffee brand ibm xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
poloniex xe new tron powered ieo platform moves exchange closer justin sun xe  
orbit new platform uses tron xe xa  
Sentiment(polarity=0.13636363636363635, subjectivity=0.45454545454545453)  
Positive  
new software fix offers bitcoin miners increased security sta brains released  
first functioning code xe xa  
Sentiment(polarity=0.1621212121212121, subjectivity=0.2626262626262626)  
Positive  
crypto amp fundraising dropped sharply pwc repo value crypto amp deals last year  
dropped xe xa  
Sentiment(polarity=-0.0625, subjectivity=0.4083333333333333)  
Negative  
steem witnesses freeze latest tit tat hard fork insurgents witnesses steem  
frozen eight xe xa  
Sentiment(polarity=0.10416666666666666, subjectivity=0.7208333333333333)  
Positive  
miner perspectives bitcoin halving pa new podcast series hosted coindesk  
research analyst chr xe xa

Sentiment(polarity=0.136363636363635, subjectivity=0.454545454545453)  
Positive  
protect online privacy working home tips privacy professional staying safe onl  
xe xa

Sentiment(polarity=0.3, subjectivity=0.3)  
Positive  
ether bitcoin price volatility spread hits month low cryptocurrencies hairier  
rides others th xe xa

Sentiment(polarity=0.0, subjectivity=0.3)  
Neutral  
non custodial exchange hodl hodl bringing private bitcoin trading bluewallet  
users bluewallet app soon xe xa

Sentiment(polarity=0.0, subjectivity=0.375)  
Neutral  
cambrial capital shut coronavirus tanks markets sources cambrial capital crypto  
focused fund xe xa

Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
ripple engineers publish design private transactions xrp ledger ripple engineer  
nik bougalis proposed xe xa

Sentiment(polarity=0.0, subjectivity=0.375)  
Neutral  
cointracker adds industry pa nerships crypto tax repo ing tool firm pa nered  
number xe xa

Sentiment(polarity=-0.2, subjectivity=0.4)  
Negative  
using bitcoin zimbabwe pa six pa documentary podcast series third episode six pa  
se xe xa

Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
judge denies telegram xe request issue gram tokens non us investors federal  
judge denied telegram request xe xa

Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
amp files dismissal phone hack case claims crypto exec xe read amp cs terpin  
claims lost mi xe xa

Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
thousands microsoft servers infected crypto mining botnet since says repo  
attackers apparen xe xa

Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
ex state street blockchain team drops dlt new data privacy sta data privacy sta  
manetu goes live earl xe xa

Sentiment(polarity=0.136363636363635, subjectivity=0.47727272727273)  
Positive  
ex royal mint team provides insurance cover civic crypto wallets coincover  
providing automa xe xa

Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
crypto holders still face issues repo ing tax liabilities survey cpas finds ce  
ified public accountants fami xe xa  
Sentiment(polarity=0.0, subjectivity=0.06666666666666667)  
Neutral  
french central bank puts call digital currency experiments france central bank  
calling digital cu xe xa  
Sentiment(polarity=0.0, subjectivity=0.1)  
Neutral  
crypto derivatives platform gets nod london stock exchange xe software tester  
zubr opened trad xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
binance cut leveraged tokens users xe xe read warning notices xe binance listed  
ftx leveraged tokens xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
luxury watchmaker breitling adds first timepieces blockchain rare example real  
world business dep xe xa  
Sentiment(polarity=0.25, subjectivity=0.5111111111111112)  
Positive  
makerdao xe stablecoin survived crash sma contract bugs full decentralization  
defi stablecoin xe xa  
Sentiment(polarity=0.35, subjectivity=0.55)  
Positive  
telegram ruling closes another door legally compliant token sales recent ruling  
stopping telegram distri xe xa  
Sentiment(polarity=0.1, subjectivity=0.225)  
Positive  
hoard dollar bills others envision germy cash xe quick demise cash based society  
sustainable xe xa  
Sentiment(polarity=0.3333333333333333, subjectivity=0.5)  
Positive  
world health organization teams ibm oracle blockchain based coronavirus data hub  
big names like ibm orac xe xa  
Sentiment(polarity=0.0, subjectivity=0.1)  
Neutral  
bitcoin ether prices stagnate traders take wait see approach march crash still  
fresh crypt xe xa  
Sentiment(polarity=0.3, subjectivity=0.5)  
Positive  
absorbs team behind defunct block producer eos new york eos creator xe xa  
Sentiment(polarity=-0.13181818181818183, subjectivity=0.5772727272727273)  
Negative  
us european stocks crypto traders remain cautious american european equity  
markets extended gain xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)



Neutral  
geopolitical crisis may benefit oil gold cbdc bitcoin demand gold skyrocketing  
clamor fo xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
bitcoin mining difficulty posts second biggest percentage drop history  
competition among bitcoin miners xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
devs plot launch telegram xe blockchain without company xe involvement  
developers discussing ways launch xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
unstable moment chance crypto go mainstream crises create oppo unities renewal  
mo xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
everledger looks beyond blood diamonds esg supply chain collaboration everledger  
known tracking diamonds xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
stocks bitcoin rally prospects us senate stimulus bill financial markets  
rebounded tuesday prospects xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
silvergate bank resolves wire transfer issue kept transactions limbo crypto  
friendly silvergate bank resol xe xa  
Sentiment(polarity=0.375, subjectivity=0.5)

Positive  
yale researchers turn hyperledger track carbon emissions team yale openlab  
exploring xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
long festering defi dapp bug still fixed industry zengo renewing debate personal  
responsibility xe xa  
Sentiment(polarity=0.016666666666666666, subjectivity=0.30000000000000004)

Positive  
unlimited qe markets xe price covid market reacts fed announced effectively  
unlimited xe xa  
Sentiment(polarity=0.6, subjectivity=0.8)

Positive  
australian share market reveals potential storm us equities bitcoin falls asx  
fell sharply xe xa  
Sentiment(polarity=-0.041666666666666664, subjectivity=0.5833333333333334)

Negative  
top secret microsoft opens door government blockchain use government secrets  
blockchain following recent xe xa  
Sentiment(polarity=0.024999999999999994, subjectivity=0.3875)

Positive

indian banks select microsoft exclusive cloud blockchain provider group india based banks struck ne xe xa

Sentiment(polarity=0.0, subjectivity=0.0)

Neutral

crisis worsens bitcoin become safe liquidity crunch ensuing government interv xe xa

Sentiment(polarity=0.5, subjectivity=0.5)

Positive

reasons central banks launch retail digital currencies central banks four good reasons adopt digi xe xa

Sentiment(polarity=0.175, subjectivity=0.275)

Positive

bitcoiners protect mental health coronavirus crisis coindesk repo er leigh cuen joine xe xa

Sentiment(polarity=-0.1, subjectivity=0.2)

Negative

escape contracts killing company coronavirus xe cnot legal advice xe columnist reviews xe xa

Sentiment(polarity=0.2, subjectivity=0.2)

Positive

australians know crypto use central bank study fewe percent surveyed aust xe xa

Sentiment(polarity=0.0, subjectivity=0.25)

Neutral

coronavirus api delivers vital statistics unmediated government hands

coronavirus api aggregates presen xe xa

Sentiment(polarity=0.1, subjectivity=0.4)

Positive

storj xe decentralized cloud storage service xe tardigrade xe goes live storage system splits files stores xe xa

Sentiment(polarity=0.13636363636363635, subjectivity=0.5)

Positive

swiss blockchain exchange sdx hires consensys sta boss head business tim grant formerly ceo consens xe xa

Sentiment(polarity=0.0, subjectivity=0.0)

Neutral

dollar backed stablecoins holding amid coronavirus chaos global equities markets continue xe xa

Sentiment(polarity=0.0, subjectivity=0.0)

Neutral

canadians get us jail time stealing bitcoin twitter scam two scammers used twitter account pose xe xa

Sentiment(polarity=-0.1, subjectivity=0.0)

Negative

thieves swindle coronavirus preppers hand sanitizer face mask scams scammers purpo ing sell fac xe xa

Sentiment(polarity=0.0, subjectivity=0.0)

Neutral

xe coping spain xe coronavirus lockdown noelle acheson shares details  
perspective first da xe xa  
Sentiment(polarity=0.25, subjectivity=0.3333333333333333)  
Positive  
swedish central bank bids host bis hub digital currency research sweden xe  
riksbank says digital currenc xe xa  
Sentiment(polarity=0.0, subjectivity=0.08333333333333333)  
Neutral  
binance launches xe blockchain india xe fund binance wazirx plan donate million  
indian bl xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
ethereum community grapples coronavirus ethcc cases tick upward number attendees  
contracted covid xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
sec proposal could eventually unleash security token sales companies looking  
raise funds via security token xe xa  
Sentiment(polarity=-0.1, subjectivity=0.6)  
Negative  
price drop casts pall bitcoin miners xe equipment upgrades bitcoin miners spent  
past six months xe xa  
Sentiment(polarity=-0.175, subjectivity=0.175)  
Negative  
qe begins fed cuts rates buys bonds bitcoin rallies effectively xe cqe xe fou  
major xe xa  
Sentiment(polarity=0.33125, subjectivity=0.65)  
Positive  
makerdao quest stable stablecoin continues even tumultuous past harsh critics  
stab xe xa  
Sentiment(polarity=-0.225, subjectivity=0.475)  
Negative  
bitcoin xe price nearing time highs market confidence xe price bitcoin within  
striki xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
udi wetheimer cyperpunk myths bitcoin real life coindesk repo er leigh cuen  
joined vr meetup orga xe xa  
Sentiment(polarity=0.2, subjectivity=0.30000000000000004)  
Positive  
thursday xe market madness strained ethereum xe killer app defi many people  
trying use ethereum bloc xe xa  
Sentiment(polarity=0.5, subjectivity=0.5)  
Positive  
coindesk takes consensus vi ual consensus vi ual experience bringing together  
entire co xe xa  
Sentiment(polarity=0.0, subjectivity=0.625)  
Neutral

investors hedge long term risk new year bitcoin derivatives quedex new bitcoin  
 derivatives contracts xe xa  
 Sentiment(polarity=0.074242424242423, subjectivity=0.436363636363634)  
 Positive

makeup mogul michelle phan xe coronavirus strategy educate hodl bitcoin although  
 coronavirus induced eco xe xa  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral

ether suffers record setting drop amid global market turmoil ether fell early  
 morning tra xe xa  
 Sentiment(polarity=-0.16666666666666666, subjectivity=0.3333333333333333)  
 Negative

australian tax office warn investors crypto misrepo ing agency set issue  
 warnings hundreds xe xa  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral

ny fed promises cash christine lagarde bitcoin prices slid fifth straight day th  
 xe xa  
 Sentiment(polarity=0.2, subjectivity=0.4)  
 Positive

arrested japan obtaining crypto linked coincheck xe hack men alleged offload xe  
 xa  
 Sentiment(polarity=-0.1, subjectivity=0.1)  
 Negative

figure technologies securitizes home equity loans blockchain deal may serve  
 showcase dlt xe xe xa  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral

xe another surprising reason crypto prices fell xe derivatives traditional  
 markets recent sell dr xe xa  
 Sentiment(polarity=0.2333333333333333, subjectivity=0.5)  
 Positive

previously crypto blockfi adds cash ramp silvergate pa nership crypto lender  
 blockfi suppo xe xa  
 Sentiment(polarity=-0.16666666666666666, subjectivity=0.16666666666666666)  
 Negative

already bitcoin early adopter still many risks rough edges hodlers time bitcoin  
 xe xa  
 Sentiment(polarity=0.16666666666666666, subjectivity=0.40000000000000001)  
 Positive

average us worker must work hours buy single share amp index nin  
 Sentiment(polarity=-0.11071428571428571, subjectivity=0.3071428571428571)  
 Negative

second best holding fraction bitcoin bitcoin divisible satoshis  
 Sentiment(polarity=0.5, subjectivity=0.15)  
 Positive

bitcoin analogies expect noobs tulips myspace model beanie babies xe xa  
 Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
 bitcoin tool freeing humanity oligarchs tyrants dressed get rich quick scheme  
 Sentiment(polarity=0.3541666666666663, subjectivity=0.625)  
 Positive  
 tldr good bitcoin  
 Sentiment(polarity=0.7, subjectivity=0.6000000000000001)  
 Positive  
 trillion us fed balance sheet trillion printed year alone trillion last days xe  
 xa  
 Sentiment(polarity=0.0, subjectivity=0.0666666666666667)  
 Neutral  
 bitcoin contributor day  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 bitcoin backed full skepticism discredit government  
 Sentiment(polarity=0.35, subjectivity=0.55)  
 Positive  
 happy pizza day  
 Sentiment(polarity=0.8, subjectivity=1.0)  
 Positive  
 bitcoin apex predator money none previous monetary life forms stand chance gt  
 read xf  
 Sentiment(polarity=-0.1666666666666666, subjectivity=0.1666666666666666)  
 Negative  
 bitcoin least once monetary system existence rochard  
 Sentiment(polarity=-0.3, subjectivity=0.4)  
 Negative  
 premium faraday bags arrived faraday backpacks phone sleeves hw wallet sleeves  
 dry bags available xe xa  
 Sentiment(polarity=0.1666666666666669, subjectivity=0.5)  
 Positive  
 two papa john pizzas njump sta ing new economy pricele  
 Sentiment(polarity=0.13636363636363635, subjectivity=0.45454545454545453)  
 Positive  
 happy bitcoin pizza day  
 Sentiment(polarity=0.8, subjectivity=1.0)  
 Positive  
 happy bitcoin pizza day  
 Sentiment(polarity=0.8, subjectivity=1.0)  
 Positive  
 happy bitcoin pizza day  
 Sentiment(polarity=0.8, subjectivity=1.0)  
 Positive  
 happy bitcoin pizza day  
 Sentiment(polarity=0.8, subjectivity=1.0)  
 Positive  
 bitcoin network designed beautifully always awe inspiring see protocol simply  
 work chugging along xe xa

Sentiment(polarity=0.45, subjectivity=0.7857142857142857)  
Positive  
happy bitcoin pizza day  
Sentiment(polarity=0.8, subjectivity=1.0)  
Positive  
great hear vision using lightning network quicker settlement bitcoin allo xe xa  
Sentiment(polarity=0.8, subjectivity=0.75)  
Positive  
first laugh mine bitcoin  
Sentiment(polarity=0.275, subjectivity=0.21666666666666667)  
Positive  
government big business stealing money naudio documentary featuring xe xa  
Sentiment(polarity=0.0, subjectivity=0.05)  
Neutral  
bitcoin savings technology  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
ok banker  
Sentiment(polarity=0.5, subjectivity=0.5)  
Positive  
bitcoins primary value freedom money invention seperates money state puts check  
au xe xa  
Sentiment(polarity=0.4, subjectivity=0.5)  
Positive  
venezuela filed billion lawsuit bank england releasing gold stored xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
digitally centralized assets deeply unsafe put much family wealth assets  
stranger xe xa  
Sentiment(polarity=0.06666666666666667, subjectivity=0.20000000000000004)  
Positive  
bitcoin first incorruptible substance humanity ever nthis wo listen  
Sentiment(polarity=0.375, subjectivity=0.5666666666666667)  
Positive  
gold trillion market cap zero merchant adoption nso people think bitcoin value  
xe xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
calling rustaceans nthe good folks suppo ing initiative establish new  
decentralized sta xe xa  
Sentiment(polarity=0.41818181818181815, subjectivity=0.5272727272727273)  
Positive  
bitcoin issuance rate par gold nmeanwhile top central banks printed trillion  
past xe xa  
Sentiment(polarity=0.08333333333333333, subjectivity=0.3333333333333333)  
Positive  
bitcoin usd transferred possible satoshi owned wallet xe xb xef xb coins  
transaction xe xa

Sentiment(polarity=0.0, subjectivity=1.0)  
Neutral  
satoshi  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
wrong answers proves craig satoshi  
Sentiment(polarity=-0.1, subjectivity=0.45)  
Negative  
satoshi  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
reminder need ask anyone permission use build contribute bitcoin  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
bitcoin optech newsletter relays request comment proposed change bip taproot  
transact xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
congratulations first contribution bitcoin  
Sentiment(polarity=0.25, subjectivity=0.3333333333333333)  
Positive  
people ask sure model nof course bitcoin model guarantee nbut  
Sentiment(polarity=0.5, subjectivity=0.8888888888888888)  
Positive  
get one run  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
im bit bored btc feel like xe kinda seen fud scammers xe cinstitutional adoption  
xe xe cuse xe xa  
Sentiment(polarity=-0.5, subjectivity=1.0)  
Negative  
inflation theft means fed stealing time mean everyone around xe xa  
Sentiment(polarity=-0.3125, subjectivity=0.6875)  
Negative  
joined us effo fu decentralize bitcoin mining rust dev skills want join xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
everyone square crypto mad including info nwe looking devs want help build stra  
xe xa  
Sentiment(polarity=-0.625, subjectivity=1.0)  
Negative  
live computer simulation bitcoin latest software update  
Sentiment(polarity=0.3181818181818182, subjectivity=0.7)  
Positive  
bitcoin higher uptime every major tech company ngood luck trying stop  
Sentiment(polarity=0.15625, subjectivity=0.5)  
Positive  
chairman adve ising bitcoin keep good work

Sentiment(polarity=0.7, subjectivity=0.6000000000000001)  
Positive  
lagarde says risk euro currency irreversible nok boomer  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
defiance episode bitcoin one lesson nmy entire episode beginner guide filtered  
single episode xe xa  
Sentiment(polarity=-0.03571428571428571, subjectivity=0.41964285714285715)  
Negative  
money counter brrr  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
bitcoin official account bitcoin official leader bitcoin official anything  
entire point  
Sentiment(polarity=0.0, subjectivity=0.625)  
Neutral  
crossed billionth trade threshold crypto market database holds billion trades xe  
xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
tweet league count  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
name iconic tweet wait  
Sentiment(polarity=0.5, subjectivity=0.5)  
Positive  
weird one bitcoin xe defense mechanisms ndespite meteoric price rise exponential  
global adoption since xe xa  
Sentiment(polarity=-0.25, subjectivity=0.5)  
Negative  
also good bitcoin  
Sentiment(polarity=0.7, subjectivity=0.6000000000000001)  
Positive  
bitcoin fixes  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
bitcoin fixes  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
federal reserve chairman print money digitally central bank ability create money  
Sentiment(polarity=0.0, subjectivity=0.25)  
Neutral  
bthis bitcoin created  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
money printer goes brrr  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral



xe xa xef xb fthis podcast episode mandatory xe xa xef xb njoin ybent odell sit  
 mahmudov discuss br xe xa  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 take red pill question money  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 bitcoiners revolutionaries  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 keys bitcoin  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 ceo coinbase responded fake jk rowling tweet encouraged buy shitcoins  
 Sentiment(polarity=-0.5, subjectivity=1.0)  
 Negative  
 people lebanon get week money nfull repo situation  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 bitcoin created  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 explain bitcoin single tweet  
 Sentiment(polarity=-0.07142857142857142, subjectivity=0.21428571428571427)  
 Negative  
 angry disappointed  
 Sentiment(polarity=-0.625, subjectivity=0.875)  
 Negative  
 eliminating trusted third pa ies bitcoin restores many best qualities money  
 natively online xe xa  
 Sentiment(polarity=0.5, subjectivity=0.26666666666666666)  
 Positive  
 good bitcoin  
 Sentiment(polarity=0.7, subjectivity=0.6000000000000001)  
 Positive  
 need bitcoin makes people question works buy nbtw th xe xa  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 rowling ig bitcoin fix  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 rowling chance use xf xa  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 good bitcoin  
 Sentiment(polarity=0.7, subjectivity=0.6000000000000001)  
 Positive  
 rowling thing smooth bitcoin supply curve

Sentiment(polarity=0.4, subjectivity=0.5)  
Positive  
bitcoin nthey equivalent  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
rowling thing smooth bitcoin supply curve  
Sentiment(polarity=0.4, subjectivity=0.5)  
Positive  
rowling video explains bitcoin two minutes  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
rowling fair enough  
Sentiment(polarity=0.35, subjectivity=0.7)  
Positive  
rowling bitcoin may seem complex even today people explain internet works nthi  
xe xa  
Sentiment(polarity=-0.3, subjectivity=0.4)  
Negative  
rowling cuen wizards still need trust gringotts bank nbitcoin fixes  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
rowling cuen wizards still need trust gringotts bank nbitcoin fixes  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
xe magic internet money  
Sentiment(polarity=0.5, subjectivity=1.0)  
Positive  
good bitcoin  
Sentiment(polarity=0.7, subjectivity=0.6000000000000001)  
Positive  
welcome greater depression structure  
Sentiment(polarity=0.65, subjectivity=0.7)  
Positive  
favorite slides talk nfiat vs crypto quote currency dominance volume ndata  
Sentiment(polarity=0.5, subjectivity=1.0)  
Positive  
sta ed st place amp nd place ntoday reached new mi xe xa  
Sentiment(polarity=0.13636363636363635, subjectivity=0.45454545454545453)  
Positive  
delighted announce launch open source developer grant program program hope add  
xe xa  
Sentiment(polarity=0.35, subjectivity=0.6)  
Positive  
freedom prope rights inseparable one without george washington  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
happy announce book bitcoin time finally nnow available paperback kindle xe xa  
Sentiment(polarity=0.4000000000000001, subjectivity=0.7999999999999999)

Positive  
formation th hodl wave described presentation conference https xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
cryptocurrency bloomed diverse ecosystem nprofessor coins ncorporate coins  
nprivacy coins nstable coins nmeme coins xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
either use bitcoin node trust  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
price beginning bitcoin epochs st epoch single digit nd epoch two digits rd  
epoch three digits xe xa  
Sentiment(polarity=-0.07142857142857142, subjectivity=0.21428571428571427)  
Negative  
bitcoin epoch iii ended truly remarkable see far come along since nhere xe xa  
Sentiment(polarity=0.425, subjectivity=0.875)  
Positive  
good things come wait  
Sentiment(polarity=0.7, subjectivity=0.6000000000000001)  
Positive  
published new paper bitcoin history exponentially increasing series speculative  
bubbles xe xa  
Sentiment(polarity=0.13636363636363635, subjectivity=0.45454545454545453)  
Positive  
twenty four hours halving  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
ignorati logic problem however number copycat cryptocurrencies undermines idea  
scar xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
bitcoin optech newsletter describes proposal taproot signatures make additional  
commitment sp xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
meteor approaching ea nfed allow human survival crisis turn liquidity crisis  
Sentiment(polarity=0.0, subjectivity=0.05)  
Neutral  
bang bang owns bitcoin xf xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
bitcoin correlated amp cope stonk bagholders could wish also open bitcoin xe xa  
Sentiment(polarity=0.0, subjectivity=0.5)  
Neutral  
sho story  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral

bitcoin flattens curve  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 wow super neat  
 Sentiment(polarity=0.21666666666666667, subjectivity=0.8333333333333333)  
 Positive  
 sho story  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 nytimes apr injection fed plan far exceeds rescue  
 Sentiment(polarity=0.1, subjectivity=1.0)  
 Positive  
 money three futures nwhich one choose  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 government prints trillions dollars thin air bitcoin reduced issuance xe xa  
 Sentiment(polarity=-0.4, subjectivity=0.8500000000000001)  
 Negative  
 bitcoin halving occurred block nwe th epoch  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 tick tock blocks  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 today marks pivotal moment history nthe third bitcoin halving nlet xe make  
 hashtag trend fall xe xa  
 Sentiment(polarity=0.25, subjectivity=0.4)  
 Positive  
 tick tock blocks  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 xf xa bitcoin halving block visible  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 tick tock blocks  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 tick tock blocks  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 tick tock blocks  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 tick tock blocks  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 minute block satoshi building suspense  
 Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
tick tock blocks  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
retweet last halving like next  
Sentiment(polarity=0.0, subjectivity=0.03333333333333333)  
Neutral  
tick tock less blocks  
Sentiment(polarity=-0.16666666666666666, subjectivity=0.06666666666666667)  
Negative  
halving uneventful means worked design  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
tick tock less blocks  
Sentiment(polarity=-0.16666666666666666, subjectivity=0.06666666666666667)  
Negative  
far come ntime lapse bitcoin price  
Sentiment(polarity=0.1, subjectivity=1.0)  
Positive  
paul tudor jones says assets traditional system seems risky  
Sentiment(polarity=0.0, subjectivity=0.75)  
Neutral  
tick tock less blocks  
Sentiment(polarity=-0.16666666666666666, subjectivity=0.06666666666666667)  
Negative  
check bitcoin halving livestream pa ad  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
money really simple insist making complicated  
Sentiment(polarity=-0.25, subjectivity=0.6785714285714286)  
Negative  
bitcoin literally money mind  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
code makes bitcoin halving work nororiginally  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
xe always confused goldbugs agree almost every pa bitcoin xe design purpose end  
xe xa  
Sentiment(polarity=-0.4, subjectivity=0.7)  
Negative  
tick tock less blocks  
Sentiment(polarity=-0.16666666666666666, subjectivity=0.06666666666666667)  
Negative  
tick tock less blocks  
Sentiment(polarity=-0.16666666666666666, subjectivity=0.06666666666666667)  
Negative  
week nomics update revamped cryptoasset pages gains greater xe cshare voice xe

cry xe xa  
Sentiment(polarity=0.5, subjectivity=0.5)  
Positive  
good prope ies money fixed unchanging reliable secure ngood prope ies technology  
iterating quickly expanding xe xa  
Sentiment(polarity=0.3833333333333333, subjectivity=0.475)  
Positive  
halving demonstrate even decade monetary policy bitcoin determined software  
humans  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
tick tock less blocks  
Sentiment(polarity=-0.16666666666666666, subjectivity=0.06666666666666667)  
Negative  
adam emerges fud stasis  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
bitcoin era uptime major updates gt crushed chinese mining pool ca el crushed vc  
backed xe xa  
Sentiment(polarity=-0.034375, subjectivity=0.175)  
Negative  
halving bitcoin lower inflation rate gold  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
days time bitcoin experience rd block reward halving mining reward reduc xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
bitcoin risky ce  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
best profit maximizing strategy fastest horse best performer get wed xe xa  
Sentiment(polarity=1.0, subjectivity=0.3)  
Positive  
tick tock less blocks  
Sentiment(polarity=-0.16666666666666666, subjectivity=0.06666666666666667)  
Negative  
also made case owning bitcoin quintessence scarcity premium literally large  
tradeable xe xa  
Sentiment(polarity=0.21428571428571427, subjectivity=0.42857142857142855)  
Positive  
bitcoin equals might make sense get case catches enough people think xe xa  
Sentiment(polarity=0.0, subjectivity=0.5)  
Neutral  
tick tock less blocks  
Sentiment(polarity=-0.16666666666666666, subjectivity=0.06666666666666667)  
Negative  
paul tudor jones buys bitcoin citing echo gold bloomberg nthis huge  
Sentiment(polarity=0.40000000000000001, subjectivity=0.9)

Positive  
remember claimed bitcoin failed died nwhere  
Sentiment(polarity=-0.5, subjectivity=0.3)  
Negative  
tick tock less blocks  
Sentiment(polarity=-0.16666666666666666, subjectivity=0.06666666666666667)  
Negative  
cool thread cypherpunk legend hal finney lots things know  
Sentiment(polarity=0.35, subjectivity=0.65)  
Positive  
life last halving free kraken webinar dan held amp special guests  
Sentiment(polarity=0.2523809523809524, subjectivity=0.4793650793650794)  
Positive  
bitcoin could negative impact reputation central banks assuming use systems  
grows xe xa  
Sentiment(polarity=-0.15, subjectivity=0.325)  
Negative  
bitcoin xf xa last money yojoe xf xb savings technology rochard xf symbol hope  
xe xa  
Sentiment(polarity=0.0, subjectivity=0.06666666666666667)  
Neutral  
gold old  
Sentiment(polarity=0.1, subjectivity=0.2)  
Positive  
daily reminder  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
libre libra  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
bitcoin optech newsletter links discussion enhanced qr codes communicating large  
txs incl xe xa  
Sentiment(polarity=0.21428571428571427, subjectivity=0.42857142857142855)  
Positive  
tick tock less blocks  
Sentiment(polarity=-0.16666666666666666, subjectivity=0.06666666666666667)  
Negative  
tick tock less blocks  
Sentiment(polarity=-0.16666666666666666, subjectivity=0.06666666666666667)  
Negative  
give man bitcoin xe spend day nteach man hodl bitcoin spend rest time tw xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
bitcoin anarchy scalable entire world worlds  
Sentiment(polarity=0.0, subjectivity=0.625)  
Neutral  
browsing internet  
Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
tick tock less blocks  
Sentiment(polarity=-0.16666666666666666, subjectivity=0.06666666666666667)  
Negative  
lot people automatically dismiss currency lost cause companies fai xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
billions kicks bitcoin  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
genesis block  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
slp bitcoin fx evolution collectible financial asset nthis xe xa  
Sentiment(polarity=-0.25, subjectivity=0.4)  
Negative  
know needs hear hodl keys bitcoin  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
bitcoin better real estate prope taxes maintenance squatters lawsuits xe xa  
Sentiment(polarity=0.35, subjectivity=0.4)  
Positive  
inflation sneaks  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
math deceiving nit true every hodler willing sell current price xe xa  
Sentiment(polarity=0.19999999999999998, subjectivity=0.6)  
Positive  
interested helping develop solutions one bitcoin cryptocurrency xe impo ant long  
term threats know rust xe xa  
Sentiment(polarity=0.1, subjectivity=0.45)  
Positive  
bitcoin economy never closes  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
sat standard may nd nhighlights bitcoin argentina payjoin sponsoring xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
reading still early bitcoin  
Sentiment(polarity=0.1, subjectivity=0.3)  
Positive  
bitcoin fixes  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
bitcoin fixes  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
already bitcoin early adopter still many risks rough edges hodlers time bitcoin



xe xa  
Sentiment(polarity=0.16666666666666666, subjectivity=0.40000000000000001)  
Positive  
average us worker must work hours buy single share amp index nin  
Sentiment(polarity=-0.11071428571428571, subjectivity=0.3071428571428571)  
Negative  
second best holding fraction bitcoin bitcoin divisible satoshis  
Sentiment(polarity=0.5, subjectivity=0.15)  
Positive  
bitcoin analogies expect noobs tulips myspace model beanie babies xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
bitcoin tool freeing humanity oligarchs tyrants dressed get rich quick scheme  
Sentiment(polarity=0.35416666666666663, subjectivity=0.625)  
Positive  
tldr good bitcoin  
Sentiment(polarity=0.7, subjectivity=0.60000000000000001)  
Positive  
econostrologist  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
trillion us fed balance sheet trillion printed year alone trillion last days xe  
xa  
Sentiment(polarity=0.0, subjectivity=0.06666666666666667)  
Neutral  
bitcoin contributor day  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
xe bitcoin xe money  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
bitcoin backed full skepticism discredit government  
Sentiment(polarity=0.35, subjectivity=0.55)  
Positive  
happy pizza day  
Sentiment(polarity=0.8, subjectivity=1.0)  
Positive  
mahmudov geiger ybent connerbrown xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
ff bitcoiners mahmudov geiger ybent connerbrown xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
bitcoin apex predator money none previous monetary life forms stand chance gt  
read xf  
Sentiment(polarity=-0.16666666666666666, subjectivity=0.16666666666666666)  
Negative  
bitcoin least unce monetary system existence rochard

Sentiment(polarity=-0.3, subjectivity=0.4)  
 Negative  
 premium faraday bags arrived faraday backpacks phone sleeves hw wallet sleeves  
 dry bags available xe xa  
 Sentiment(polarity=0.16666666666666669, subjectivity=0.5)  
 Positive  
 two papa john pizzas njump sta ing new economy pricele  
 Sentiment(polarity=0.13636363636363635, subjectivity=0.45454545454545453)  
 Positive  
 happy bitcoin pizza day  
 Sentiment(polarity=0.8, subjectivity=1.0)  
 Positive  
 happy bitcoin pizza day  
 Sentiment(polarity=0.8, subjectivity=1.0)  
 Positive  
 happy bitcoin pizza day  
 Sentiment(polarity=0.8, subjectivity=1.0)  
 Positive  
 happy bitcoin pizza day  
 Sentiment(polarity=0.8, subjectivity=1.0)  
 Positive  
 bitcoin network designed beautifully always awe inspiring see protocol simply  
 work chugging along xe xa  
 Sentiment(polarity=0.45, subjectivity=0.7857142857142857)  
 Positive  
 happy bitcoin pizza day  
 Sentiment(polarity=0.8, subjectivity=1.0)  
 Positive  
 great hear vision using lightning network quicker settlement bitcoin allo xe xa  
 Sentiment(polarity=0.8, subjectivity=0.75)  
 Positive  
 first laugh mine bitcoin  
 Sentiment(polarity=0.275, subjectivity=0.21666666666666667)  
 Positive  
 government big business stealing money naudio documentary featuring xe xa  
 Sentiment(polarity=0.0, subjectivity=0.05)  
 Neutral  
 bitcoin savings technology  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 ok banker  
 Sentiment(polarity=0.5, subjectivity=0.5)  
 Positive  
 bitcoins primary value freedom money invention seperates money state puts check  
 au xe xa  
 Sentiment(polarity=0.4, subjectivity=0.5)  
 Positive  
 venezuela filed billion lawsuit bank england releasing gold stored xe xa

Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
digitally centralized assets deeply unsafe put much family wealth assets  
stranger xe xa  
Sentiment(polarity=0.0666666666666667, subjectivity=0.20000000000000004)  
Positive  
bitcoin first incorruptible substance humanity ever nthis wo listen  
Sentiment(polarity=0.375, subjectivity=0.566666666666667)  
Positive  
gold trillion market cap zero merchant adoption nso people think bitcoin value  
xe xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
calling rustaceans nthe good folks suppo ing initiative establish new  
decentralized sta xe xa  
Sentiment(polarity=0.418181818181815, subjectivity=0.5272727272727273)  
Positive  
bitcoin issuance rate par gold nmeanwhile top central banks printed trillion  
past xe xa  
Sentiment(polarity=0.0833333333333333, subjectivity=0.3333333333333333)  
Positive  
bitcoin usd transferred possible satoshi owned wallet xe xb xef xb coins  
transaction xe xa  
Sentiment(polarity=0.0, subjectivity=1.0)  
Neutral  
btc usd transferred possible satoshi owned wallet dormant since unknown wallet  
Sentiment(polarity=-0.05, subjectivity=0.8)  
Negative  
satoshi  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
wrong answers proves craig satoshi  
Sentiment(polarity=-0.1, subjectivity=0.45)  
Negative  
satoshi  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
reminder need ask anyone permission use build contribute bitcoin  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
bitcoin optech newsletter relays request comment proposed change bip taproot  
transact xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
congratulations first contribution bitcoin  
Sentiment(polarity=0.25, subjectivity=0.3333333333333333)  
Positive  
people ask sure model nof course bitcoin model guarantee nbut

Sentiment(polarity=0.5, subjectivity=0.8888888888888888)  
Positive  
get one run  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
im bit bored btc feel like xe kinda seen fud scammers xe cinstitutional adoption  
xe xe cuse xe xa  
Sentiment(polarity=-0.5, subjectivity=1.0)  
Negative  
inflation theft means fed stealing time mean everyone around xe xa  
Sentiment(polarity=-0.3125, subjectivity=0.6875)  
Negative  
joined us effo fu decentralize bitcoin mining rust dev skills want join xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
everyone square crypto mad including info nwe looking devs want help build stra  
xe xa  
Sentiment(polarity=-0.625, subjectivity=1.0)  
Negative  
live computer simulation bitcoin latest software update  
Sentiment(polarity=0.3181818181818182, subjectivity=0.7)  
Positive  
bitcoin higher uptime every major tech company ngood luck trying stop  
Sentiment(polarity=0.15625, subjectivity=0.5)  
Positive  
chairman adve ising bitcoin keep good work  
Sentiment(polarity=0.7, subjectivity=0.6000000000000001)  
Positive  
lagarde says risk euro currency irreversible nok boomer  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
defiance episode bitcoin one lesson nmy entire episode beginner guide filtered  
single episode xe xa  
Sentiment(polarity=-0.03571428571428571, subjectivity=0.41964285714285715)  
Negative  
money counter brrr  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
bitcoin official account bitcoin official leader bitcoin official anything  
entire point  
Sentiment(polarity=0.0, subjectivity=0.625)  
Neutral  
crossed billionth trade threshold crypto market database holds billion trades xe  
xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
tweet league count  
Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
name iconic tweet wait  
Sentiment(polarity=0.5, subjectivity=0.5)  
Positive  
weird one bitcoin xe defense mechanisms ndespite meteoric price rise exponential  
global adoption since xe xa  
Sentiment(polarity=-0.25, subjectivity=0.5)  
Negative  
also good bitcoin  
Sentiment(polarity=0.7, subjectivity=0.6000000000000001)  
Positive  
bitcoin fixes  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
bitcoin fixes  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
federal reserve chairman print money digitally central bank ability create money  
Sentiment(polarity=0.0, subjectivity=0.25)  
Neutral  
bitcoin created  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
money printer goes brrr  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
xe xa xef xb fthis podcast episode mandatory xe xa xef xb njoin ybent odell sit  
mahmudov discuss br xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
take red pill question money  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
bitcoiners revolutionaries  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
keys bitcoin  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
xf hodling xf xf using xf  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
ceo coinbase responded fake jk rowling tweet encouraged buy shitcoins  
Sentiment(polarity=-0.5, subjectivity=1.0)  
Negative  
people lebanon get week money nfull repo situation  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral

bitcoin created  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 explain bitcoin single tweet  
 Sentiment(polarity=-0.07142857142857142, subjectivity=0.21428571428571427)  
 Negative  
 angry disappointed  
 Sentiment(polarity=-0.625, subjectivity=0.875)  
 Negative  
 eliminating trusted third parties bitcoin restores many best qualities money  
 natively online xexa  
 Sentiment(polarity=0.5, subjectivity=0.26666666666666666)  
 Positive  
 good bitcoin  
 Sentiment(polarity=0.7, subjectivity=0.6000000000000001)  
 Positive  
 need bitcoin makes people question works buy nbtw th xexa  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 rowling ig bitcoin fix  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 rowling chance use xf xexa  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 good bitcoin  
 Sentiment(polarity=0.7, subjectivity=0.6000000000000001)  
 Positive  
 rowling thing smooth bitcoin supply curve  
 Sentiment(polarity=0.4, subjectivity=0.5)  
 Positive  
 bitcoin nthey equivalent  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 thing smooth bitcoin supply curve  
 Sentiment(polarity=0.4, subjectivity=0.5)  
 Positive  
 video explains bitcoin two minutes  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 fair enough  
 Sentiment(polarity=0.35, subjectivity=0.7)  
 Positive  
 bitcoin may seem complex even today people explain internet works nthi xexa  
 Sentiment(polarity=-0.3, subjectivity=0.4)  
 Negative  
 rowling cuen wizards still need trust gringotts bank nbitcoin fixes  
 Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
cuen wizards still need trust gringotts bank nbitcoin fixes  
Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
xe magic internet money  
Sentiment(polarity=0.5, subjectivity=1.0)

Positive  
good bitcoin  
Sentiment(polarity=0.7, subjectivity=0.6000000000000001)

Positive  
welcome greater depression structure  
Sentiment(polarity=0.65, subjectivity=0.7)

Positive  
favorite slides talk nfiat vs crypto quote currency dominance volume ndata  
Sentiment(polarity=0.5, subjectivity=1.0)

Positive  
sta ed st place amp nd place ntoday reached new mi xe xa  
Sentiment(polarity=0.13636363636363635, subjectivity=0.45454545454545453)

Positive  
delighted announce launch open source developer grant program program hope add  
xe xa  
Sentiment(polarity=0.35, subjectivity=0.6)

Positive  
freedom prope rights inseparable one without george washington  
Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
happy announce book bitcoin time finally nnow available paperback kindle xe xa  
Sentiment(polarity=0.40000000000000001, subjectivity=0.7999999999999999)

Positive  
formation th hodl wave described presentation conference https xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
cryptocurrency bloomed diverse ecosystem nprofessor coins ncorporate coins  
nprivacy coins nstable coins nmeme coins xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
either use bitcoin node trust  
Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
price beginning bitcoin epochs st epoch single digit nd epoch two digits rd  
epoch three digits xe xa  
Sentiment(polarity=-0.07142857142857142, subjectivity=0.21428571428571427)

Negative  
bitcoin epoch iii ended truly remarkable see far come along since nhere xe xa  
Sentiment(polarity=0.425, subjectivity=0.875)

Positive  
good things come wait  
Sentiment(polarity=0.7, subjectivity=0.6000000000000001)

Positive  
published new paper bitcoin history exponentially increasing series speculative  
bubbles xe xa  
Sentiment(polarity=0.13636363636363635, subjectivity=0.45454545454545453)

Positive  
twenty four hours halving  
Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
ignorati logic problem however number copycat cryptocurrencies undermines idea  
scar xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
bitcoin optech newsletter describes proposal taproot signatures make additional  
commitment sp xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
meteor approaching ea nfed allow human survival crisis turn liquidity crisis  
Sentiment(polarity=0.0, subjectivity=0.05)

Neutral  
bang bang owns bitcoin xf xa  
Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
bitcoin correlated amp cope stonk bagholders could wish also open bitcoin xe xa  
Sentiment(polarity=0.0, subjectivity=0.5)

Neutral  
sho story  
Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
bitcoin flattens curve  
Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
wow super neat  
Sentiment(polarity=0.21666666666666667, subjectivity=0.8333333333333333)

Positive  
sho story  
Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
nytimes apr injection fed plan far exceeds rescue  
Sentiment(polarity=0.1, subjectivity=1.0)

Positive  
money three futures nwhich one choose  
Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
government prints trillions dollars thin air bitcoin reduced issuance xe xa  
Sentiment(polarity=-0.4, subjectivity=0.8500000000000001)

Negative  
bitcoin halving occurred block nwe th epoch  
Sentiment(polarity=0.0, subjectivity=0.0)



Neutral  
tick tock blocks  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
halvening  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
today marks pivotal moment history nthe third bitcoin halving nlet xe make  
hashtag trend fall xe xa  
Sentiment(polarity=0.25, subjectivity=0.4)  
Positive  
tick tock blocks  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
xf xa bitcoin halving block visible  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
tick tock blocks  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
tick tock blocks  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
tick tock blocks  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
tick tock blocks  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
tick tock blocks  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
minute block satoshi building suspense  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
tick tock blocks  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
retweet last halving like next  
Sentiment(polarity=0.0, subjectivity=0.03333333333333333)  
Neutral  
tick tock less blocks  
Sentiment(polarity=-0.16666666666666666, subjectivity=0.06666666666666667)  
Negative  
halving uneventful means worked design  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
tick tock less blocks  
Sentiment(polarity=-0.16666666666666666, subjectivity=0.06666666666666667)  
Negative  
far come ntime lapse bitcoin price

Sentiment(polarity=0.1, subjectivity=1.0)  
Positive  
paul tudor jones says assets traditional system seems risky  
Sentiment(polarity=0.0, subjectivity=0.75)  
Neutral  
tick tock less blocks  
Sentiment(polarity=-0.16666666666666666, subjectivity=0.06666666666666667)  
Negative  
check bitcoin halving livestream pa ad  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
money really simple insist making complicated  
Sentiment(polarity=-0.25, subjectivity=0.6785714285714286)  
Negative  
bitcoin literally money mind  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
code makes bitcoin halving work noriginally  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
xe always confused goldbugs agree almost every pa bitcoin xe design purpose end  
xe xa  
Sentiment(polarity=-0.4, subjectivity=0.7)  
Negative  
tick tock less blocks  
Sentiment(polarity=-0.16666666666666666, subjectivity=0.06666666666666667)  
Negative  
tick tock less blocks  
Sentiment(polarity=-0.16666666666666666, subjectivity=0.06666666666666667)  
Negative  
week nomics update revamped cryptoasset pages gains greater xe cshare voice xe  
cry xe xa  
Sentiment(polarity=0.5, subjectivity=0.5)  
Positive  
good prope ies money fixed unchanging reliable secure ngood prope ies technology  
iterating quickly expanding xe xa  
Sentiment(polarity=0.3833333333333333, subjectivity=0.475)  
Positive  
halving demonstrate even decade monetary policy bitcoin determined software  
humans  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
tick tock less blocks  
Sentiment(polarity=-0.16666666666666666, subjectivity=0.06666666666666667)  
Negative  
adam emerges fud stasis  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral

bitcoin era uptime major updates gt crushed chinese mining pool ca el crushed vc  
 backed xe xa  
 Sentiment(polarity=-0.034375, subjectivity=0.175)  
 Negative  
 halving bitcoin lower inflation rate gold  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 days time bitcoin experience rd block reward halving mining reward reduc xe xa  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 bitcoin risky ce  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 best profit maximizing strategy fastest horse best performer get wed xe xa  
 Sentiment(polarity=1.0, subjectivity=0.3)  
 Positive  
 tick tock less blocks  
 Sentiment(polarity=-0.16666666666666666, subjectivity=0.06666666666666667)  
 Negative  
 also made case owning bitcoin quintessence scarcity premium literally large  
 tradeable xe xa  
 Sentiment(polarity=0.21428571428571427, subjectivity=0.42857142857142855)  
 Positive  
 bitcoin equals might make sense get case catches enough people think xe xa  
 Sentiment(polarity=0.0, subjectivity=0.5)  
 Neutral  
 tick tock less blocks  
 Sentiment(polarity=-0.16666666666666666, subjectivity=0.06666666666666667)  
 Negative  
 paul tudor jones buys bitcoin citing echo gold bloomberg nthis huge  
 Sentiment(polarity=0.4000000000000001, subjectivity=0.9)  
 Positive  
 remember claimed bitcoin failed died nwhere  
 Sentiment(polarity=-0.5, subjectivity=0.3)  
 Negative  
 tick tock less blocks  
 Sentiment(polarity=-0.16666666666666666, subjectivity=0.06666666666666667)  
 Negative  
 cool thread cypherpunk legend hal finney lots things know  
 Sentiment(polarity=0.35, subjectivity=0.65)  
 Positive  
 life last halving free kraken webinar dan held amp special guests  
 Sentiment(polarity=0.2523809523809524, subjectivity=0.4793650793650794)  
 Positive  
 bitcoin could negative impact reputation central banks assuming use systems  
 grows xe xa  
 Sentiment(polarity=-0.15, subjectivity=0.325)  
 Negative

bitcoin xf xa last money yojoe xf xb savings technology rochard xf symbol hope  
 xe xa  
 Sentiment(polarity=0.0, subjectivity=0.06666666666666667)  
 Neutral  
 gold old  
 Sentiment(polarity=0.1, subjectivity=0.2)  
 Positive  
 daily reminder  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 libre libra  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 bitcoin optech newsletter links discussion enhanced qr codes communicating large  
 txs incl xe xa  
 Sentiment(polarity=0.21428571428571427, subjectivity=0.42857142857142855)  
 Positive  
 tick tock less blocks  
 Sentiment(polarity=-0.16666666666666666, subjectivity=0.06666666666666667)  
 Negative  
 tick tock less blocks  
 Sentiment(polarity=-0.16666666666666666, subjectivity=0.06666666666666667)  
 Negative  
 give man bitcoin xe spend day nteach man hodl bitcoin spend rest time tw xe xa  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 bitcoin anarchy scalable entire world worlds  
 Sentiment(polarity=0.0, subjectivity=0.625)  
 Neutral  
 tick tock less blocks  
 Sentiment(polarity=-0.16666666666666666, subjectivity=0.06666666666666667)  
 Negative  
 lot people automatically dismiss currency lost cause companies fai xe xa  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 billions kicks bitcoin  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 genesis block  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 slp bitcoin fx evolution collectible financial asset nthis xe xa  
 Sentiment(polarity=-0.25, subjectivity=0.4)  
 Negative  
 know needs hear hodl keys bitcoin  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 bitcoin better real estate prope taxes maintenance squatters lawsuits xe xa

Sentiment(polarity=0.35, subjectivity=0.4)  
Positive  
inflation sneaks  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
math deceiving nit true every hodler willing sell current price xe xa  
Sentiment(polarity=0.1999999999999998, subjectivity=0.6)  
Positive  
interested helping develop solutions one bitcoin cryptocurrency xe impo ant long  
term threats know rust xe xa  
Sentiment(polarity=0.1, subjectivity=0.45)  
Positive  
bitcoin economy never closes  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
bitcoin fixes  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
bitcoin fixes  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
already bitcoin early adopter still many risks rough edges hodlers time bitcoin  
xe xa  
Sentiment(polarity=0.16666666666666666, subjectivity=0.40000000000000001)  
Positive  
average us worker must work hours buy single share amp index nin  
Sentiment(polarity=-0.11071428571428571, subjectivity=0.3071428571428571)  
Negative  
second best holding fraction bitcoin bitcoin divisible satoshis  
Sentiment(polarity=0.5, subjectivity=0.15)  
Positive  
bitcoin analogies expect noobs tulips myspace model beanie babies xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
bitcoin tool freeing humanity oligarchs tyrants dressed get rich quick scheme  
Sentiment(polarity=0.35416666666666663, subjectivity=0.625)  
Positive  
tldr good bitcoin  
Sentiment(polarity=0.7, subjectivity=0.60000000000000001)  
Positive  
near future bitcoin transactions sidechain peg outs lightning channel activity  
coinjoins  
Sentiment(polarity=0.05, subjectivity=0.2625)  
Positive  
care privacy browse safely amp securely built ad blocker faster chrome amp still  
use extensions xe xa  
Sentiment(polarity=0.45, subjectivity=0.55)  
Positive

giving away nano bitcoin help spread word could win xe xa  
Sentiment(polarity=0.8, subjectivity=0.4)  
Positive  
trillion us fed balance sheet trillion printed year alone trillion last days xe xa  
Sentiment(polarity=0.0, subjectivity=0.06666666666666667)  
Neutral  
sun may nUSD nWght nblk nsize kb ntxs npool mb bitcoin  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
watch youtube ad free amp browse securely brave built ad blocker faster google chrome amp still use xe xa  
Sentiment(polarity=0.6000000000000001, subjectivity=0.9)  
Positive  
fxthash  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
uphold wallets soon integrated mobile version brave xf bitcoin brave crypto pri xe xa  
Sentiment(polarity=0.8, subjectivity=1.0)  
Positive  
freak silk learn xef xb xe xa earn xe xa xef xb bitcoin xf xb  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
bitcoin true freedom xf xa  
Sentiment(polarity=0.35, subjectivity=0.65)  
Positive  
bitcoin investment app ceo calls btc monetary revolution technical one  
Sentiment(polarity=0.0, subjectivity=0.1)  
Neutral  
new jackery explorer solarsaga solar panel first impressions preparedmind xe xa  
Sentiment(polarity=0.19318181818181818, subjectivity=0.3939393939393939)  
Positive  
mainstream bitcoinaccepted bitcoinadoption adoption bitcoin investment app ceo calls btc monetary revolution xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
yesterday discovered far easier old videos mine rediscovered lbry youtube posted xe xa  
Sentiment(polarity=0.1, subjectivity=0.6)  
Positive  
dollar into wineD american economy banned people love bitcoin everybody else loves dollars  
Sentiment(polarity=0.25, subjectivity=0.3)  
Positive  
exactly gold remain hard store value option nation states truly wealthy while xe xa  
Sentiment(polarity=0.15277777777777776, subjectivity=0.5972222222222222)

Positive  
 bitcoin halving happened mean miners crypto crypto news  
 Sentiment(polarity=-0.3125, subjectivity=0.6875)

Negative  
 mho comparing ethereum bitcoin like comparing xf evs xf nthey xe great ways xe  
 borrowing thi xe xa  
 Sentiment(polarity=0.8, subjectivity=0.75)

Positive  
 heatmap ytd bitcoin leading way btc ngold miners gdx gdxj amp ngold iau gld  
 nbios xbi ibb xe xa  
 Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
 going decades politician xe xa  
 Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
 says xe happily profiting btc scam years coul xe xa  
 Sentiment(polarity=0.8, subjectivity=1.0)

Positive  
 grayscale bitcoin trust whole new level naverage weekly investment million  
 naverage weekly xe xa  
 Sentiment(polarity=0.16818181818181818, subjectivity=0.42727272727272725)

Positive  
 says xe happily profiting btc scam years xe xa  
 Sentiment(polarity=0.8, subjectivity=1.0)

Positive  
 xe baby al capone xe pulled million crypto heist cryptocurrency crypto xe xa  
 Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
 airdrop bounty giveaway nrule gt follow gt post pinned post gt join  
 Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
 bitcoin days since big capitulation march nwhere people called xf xa  
 Sentiment(polarity=0.0, subjectivity=0.1)

Neutral  
 bitcoin price index usd eur cny gbp rub  
 Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
 bitcoin celebration giveaway xf xa xb ngiving away btc people follow like xe xa  
 Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
 live bitcoin price possible daily cryptocurrency news  
 Sentiment(polarity=0.04545454545454545, subjectivity=0.5)

Positive  
 remember considered forcing reorg attack bitcoin last year guise xe cprotecting  
 yo xe xa  
 Sentiment(polarity=0.0, subjectivity=0.06666666666666667)

Neutral  
 booooooooooooooooooom naikon ceo marc blinder says interview projects like ripple

xrp tesla aikon ar xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
transaction costs lot lower bitcoin banks millions miners wor xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
still waiting bitcoin amp ethereum xf xa xf xa xf  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
would wo us right last hours bitcoin  
Sentiment(polarity=0.14285714285714285, subjectivity=0.3011904761904762)  
Positive  
celebrate th anniversary bitcoin pizza day xf kucoin giving away total kcs xf xa  
xe xa follow xe xa  
Sentiment(polarity=0.0, subjectivity=0.75)  
Neutral  
would see streets kneel second xf dm serve paypal tikkie paysafecard bitcoin xe  
xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
get crypto fix trust wallet nyou buy bitcoin bnb eth ltc xrp using credit de xe  
xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
aligrocoin pick random winners eth follow retweet tag people comment xe xa  
Sentiment(polarity=-0.5, subjectivity=0.5)  
Negative  
embrace new world order  
Sentiment(polarity=0.13636363636363635, subjectivity=0.45454545454545453)  
Positive  
could sumone borrow ethereum bitcoin hours il give straight back possible one xe  
xa  
Sentiment(polarity=0.06666666666666667, subjectivity=0.46666666666666666)  
Positive  
xf xb giveaway cro random followers remember bell xf xf like xf retweet xf  
comment cro btc cryp xe xa  
Sentiment(polarity=-0.5, subjectivity=0.5)  
Negative  
gee something happening ngoldman sachs hosting client call bitcoin gold  
inflation via xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
bitcoin pizza day xf xf xf nretweet friend win cmts cmt ecommerce blockchain  
dpos btc pizz xe xa  
Sentiment(polarity=0.8, subjectivity=0.4)  
Positive  
one fiat bitcoin eth  
Sentiment(polarity=0.0, subjectivity=0.0)



Neutral  
 gee something happening ngoldman sachs hosting client call bitcoin gold  
 inflation via xe xa  
 Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
 imagine hopeless everything would seem right without bitcoin  
 Sentiment(polarity=0.2857142857142857, subjectivity=0.5357142857142857)

Positive  
 currently use lightning  
 Sentiment(polarity=0.0, subjectivity=0.4)

Neutral  
 beautiful thing nif right gold bitcoin go nif wrong dollar falls gold xe xa  
 Sentiment(polarity=0.2119047619047619, subjectivity=0.8119047619047618)

Positive  
 looks like bitcoin investor  
 Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
 boom happened  
 Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
 xe xb left join giveaway xf xf xb xf xe take chance win free eth cash xf  
 ethereum freemoney pa xe xa  
 Sentiment(polarity=0.4000000000000001, subjectivity=0.4000000000000001)

Positive  
 hash eccaff ebc ff ac fa cfecacd tx xe xa  
 Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
 beautiful thing nif right gold bitcoin go nif wrong dollar falls gold xe xa  
 Sentiment(polarity=0.2119047619047619, subjectivity=0.8119047619047618)

Positive  
 bitcoin times daily active addresses xrp fewer addresses positive balance xe xa  
 Sentiment(polarity=0.0313131313131314, subjectivity=0.38181818181818183)

Positive  
 record gold bitcoin gold bitcoin  
 Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
 anyone else relate xf bitcoin  
 Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
 back work bitcoin full node sculpture bitcoin cypherpunkswritcode  
 donttrustverify https xe xa  
 Sentiment(polarity=0.175, subjectivity=0.275)

Positive  
 lock account try change username password fa let nthis xe xa  
 Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
 next block fee rate sat vbyte nhalf hour fee rate sat vbyte nhour fee rate sat  
 vbyte nyou broadcast xe xa

Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
xf celebrate th anniversary bitcoin pizza day hotbit giving away total usdt xe  
xef xb xf follow xe xa  
Sentiment(polarity=0.0, subjectivity=0.75)  
Neutral  
bitcoin like xc xa mil  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
hourly price update xf xa nbitcoin btc usdt nethereum eth usdt  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
ia xe dare sho bitcoin  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
breaking multinational investment bank goldman sachs host conference call  
discuss bitcoin gold inflation wi xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
bitcoin sentiment xf bet btc via xe xb xe  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
layer going pay less cent kwh mining bitcoin texas possible electricity provider  
pa xe xa  
Sentiment(polarity=-0.08333333333333333, subjectivity=0.5333333333333333)  
Negative  
breaking bitcoin owned wall street nif keep accumulating bitcoin satoshi xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
calling bitcoin maxis first time position able ramp aunt wants ge xe xa  
Sentiment(polarity=0.31666666666666665, subjectivity=0.35277777777777778)  
Positive  
shoping sunday let xe see bitcoin market today xf xa xf xbc  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
bitcoin gospel othetop  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
legalize marijuana federally make usa bitcoin bitcoin trump landslide obamagate  
xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
much anime bitcoin  
Sentiment(polarity=0.2, subjectivity=0.2)  
Positive  
bitcoin  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral

institutional investors buying btc like crazy halving bitcoin crypto xe xa  
Sentiment(polarity=-0.6, subjectivity=0.9)  
Negative  
tfuel bitcoin btc  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
people broke functionality bitcoin could sell solution  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
bitcoin  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
binance eosfinex join eosdt stablecoin governance board coindesk bitcoin  
cryptocurrency  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
beautiful thing nif right gold bitcoin go nif wrong dollar falls gold xe xa  
Sentiment(polarity=0.2119047619047619, subjectivity=0.8119047619047618)  
Positive  
btc usd btcusd btc usd nbitcoin buy idea nlong sho btc trade  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
celebrate th anniversary bitcoin pizza day xf kucoin giving away total kcs xf xa  
xe xa follow xe xa  
Sentiment(polarity=0.0, subjectivity=0.75)  
Neutral  
bitcoin beginner quick fire learning xe xaa xef xb xyz coin next bitcoin xe xaa  
xef xb bitcoin anonymous xe xaa xef xb blockch xe xa  
Sentiment(polarity=0.16666666666666666, subjectivity=0.25)  
Positive  
celebrating bitcoin pizza day xc xa xf nwe xe giving away sats free pizza lucky  
xe xa  
Sentiment(polarity=0.36666666666666667, subjectivity=0.8166666666666667)  
Positive  
bitcoin key nfew understand  
Sentiment(polarity=0.0, subjectivity=1.0)  
Neutral  
bitcoin likely enter year bullish phase year cycle nif xe years amp feel xe xa  
Sentiment(polarity=0.0, subjectivity=1.0)  
Neutral  
breaking bitcoin owned wall street nif keep accumulating bitcoin satoshi xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
bitcoin pizza day xf xf xf nretweet friend win cmts cmt ecommerce blockchain  
dpos btc pizz xe xa  
Sentiment(polarity=0.8, subjectivity=0.4)  
Positive  
xe send one person next minutes retweets amp likes follows dzn amp

Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
shopping sunday let xe see bitcoin market today xf xa xf xbc  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
never bet bitcoin nbeing bitcoin bearish usually big mistake nyou might right  
sho term xe xa  
Sentiment(polarity=0.14285714285714285, subjectivity=0.31785714285714284)  
Positive  
running win dogecoin thanks nyou join winner every da xe xa  
Sentiment(polarity=0.5, subjectivity=0.30000000000000004)  
Positive  
fool nshame nfool times ni hodled bitcoin  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
bitcoin investment app ceo calls btc monetary revolution technical one xe xa  
bitcoin  
Sentiment(polarity=0.0, subjectivity=0.1)  
Neutral  
found great alternative coinbase btse spot amp futures exchange rivaled  
Sentiment(polarity=0.8, subjectivity=0.75)  
Positive  
imagine totally free market sound money could bitcoin  
Sentiment(polarity=0.4, subjectivity=0.6000000000000001)  
Positive  
bitcoin xe everyone xe okay roughly po folios hold gold gold market cap tr xe xa  
Sentiment(polarity=0.2, subjectivity=0.45)  
Positive  
sending someone wo bitcoin nfor chance win drop btc address xf xf xe xa  
Sentiment(polarity=0.8, subjectivity=0.4)  
Positive  
diy code po folio manager investing  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
pa ially full bag get want nif want like give suppo hesitate solana sol xe xa  
Sentiment(polarity=0.35, subjectivity=0.55)  
Positive  
bitcoin celebration giveaway xf xa xb ngiving away btc people follow like xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
someone ask individual contribute funding core development bitcoin nwhat would  
xe xa  
Sentiment(polarity=0.0, subjectivity=0.4)  
Neutral  
imagine hopeless everything would seem right without bitcoin  
Sentiment(polarity=0.2857142857142857, subjectivity=0.5357142857142857)  
Positive  
bitcoin transaction fees soar bitcoin halving via

Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
sol sol days left reduce circulating supply team fastest blockcha xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
breaking bitcoin owned wall street nif keep accumulating bitcoin satoshi xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
happy bitcoin pizza day xf nwe xe giving away sats four lucky people njust xe  
xef xb flike amp xe xef xb ffollow us xe xef xb freply xe xa  
Sentiment(polarity=0.5666666666666667, subjectivity=0.9166666666666667)  
Positive  
gamers get discount buying atari consoles litecoin litecoin atari ga xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
even know true found lies news lately question everything xe xa  
Sentiment(polarity=0.02499999999999994, subjectivity=0.625)  
Positive  
trillion us fed balance sheet trillion printed year alone trillion last days xe  
xa  
Sentiment(polarity=0.0, subjectivity=0.06666666666666667)  
Neutral  
bitcoin transaction fee spikes confused reasonable fee pay overpay precious  
satoshis xe xa  
Sentiment(polarity=0.09999999999999999, subjectivity=0.7666666666666666)  
Positive  
paying taxes entity print unlimited money seems odd bitcoin money  
Sentiment(polarity=-0.16666666666666666, subjectivity=0.25)  
Negative  
speedo kaitos plan wait asleep steal bitcoin  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
made small improvements added live automatic price updates refreshes every xe xa  
Sentiment(polarity=-0.05681818181818182, subjectivity=0.45)  
Negative  
dr craig wright satoshi nakamoto bitcoin bsv  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
magine number billionaires nothing bitcoin gets price  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
one xf xa xf xf one nfiat xc xa bitcoin eth xf xc xa xc xa xc xa xf xc xa xc xa  
xf  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
bitcoin sv stupidest mistake going australian government filing shit dr craig  
wright satoshi naka xe xa  
Sentiment(polarity=-0.1, subjectivity=0.4)

Negative

someone moved wo bitcoin nthe fee nfees might little higher usual try fin xe xa  
Sentiment(polarity=-0.0625, subjectivity=0.4166666666666667)

Negative

layer going pay less cent kwh mining bitcoin texas possible electricity provider  
pa xe xa

Sentiment(polarity=-0.08333333333333333, subjectivity=0.5333333333333333)

Negative

great news raida patent granted cloudcoin bitcoin

Sentiment(polarity=0.8, subjectivity=0.75)

Positive

need small blocks ificially drive fees high nobody afford use bitcoin without xe  
xa

Sentiment(polarity=-0.045, subjectivity=0.47)

Negative

bitcoin money values bitcoin ideology united us state xe xa

Sentiment(polarity=0.0, subjectivity=0.0)

Neutral

bitusher get thus forced spend rewards like ponzi scheme otherwise yo xe xa

Sentiment(polarity=-0.30000000000000004, subjectivity=0.2)

Negative

much bitcoin boyyy

Sentiment(polarity=0.2, subjectivity=0.2)

Positive

really proud amazing years grateful day one onto next xe xa

Sentiment(polarity=0.46666666666666673, subjectivity=0.6333333333333333)

Positive

celebrate th anniversary bitcoin pizza day xf kucoin giving away total kcs xf xa  
xe xa follow xe xa

Sentiment(polarity=0.0, subjectivity=0.75)

Neutral

bitcoin sentiment bet btc via xe xb xe

Sentiment(polarity=0.0, subjectivity=0.0)

Neutral

bitcoin bitcoin

Sentiment(polarity=0.0, subjectivity=0.0)

Neutral

till usd easy ninr rub euro imagine aud nzd bottoming xe xa

Sentiment(polarity=0.43333333333333335, subjectivity=0.8333333333333334)

Positive

bitcoin usd makes smile moment wake day

Sentiment(polarity=0.3, subjectivity=0.1)

Positive

bitcoin far educational school ever

Sentiment(polarity=0.175, subjectivity=0.625)

Positive

beautiful thing nif right gold bitcoin go nif wrong dollar falls gold xe xa

Sentiment(polarity=0.2119047619047619, subjectivity=0.8119047619047618)

Positive  
never grows old bitcoin  
Sentiment(polarity=0.1, subjectivity=0.2)

Positive  
grayscale bought equivalent newly mined bitcoin since sta controls su xe xa  
Sentiment(polarity=0.136363636363635, subjectivity=0.454545454545453)

Positive  
aware ure titles nsomething like get bitcoin automaticly deleted nive seen  
livestre xe xa  
Sentiment(polarity=0.25, subjectivity=0.25)

Positive  
bitcoin sentiment coinbase btcusd circletrading btc  
Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
live paychecks earn mr cook hagin week without sending anyon xe xa  
Sentiment(polarity=0.136363636363635, subjectivity=0.5)

Positive  
afraid give good go great ntrade bitcoin guaranteed payout nno scam nno ref xe  
xa  
Sentiment(polarity=0.3, subjectivity=0.75)

Positive  
bitcoin sentiment xf bet btc via xe xb xe  
Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
bitcoin private enough want privacy probably crim xe xa  
Sentiment(polarity=0.0, subjectivity=0.4375)

Neutral  
bitcoin pizza day xf xf xf nretweet friend win cmts cmt ecommerce blockchain  
dpos btc pizz xe xa  
Sentiment(polarity=0.8, subjectivity=0.4)

Positive  
customers buy bitcoin cash app apply small margin market cost bitcoin tend xe xa  
Sentiment(polarity=-0.25, subjectivity=0.4)

Negative  
ron paul saw bitcoin coming way back nhe might known name knew market demanding  
wo xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
check latest blog post case missed uas freest place xe xa  
Sentiment(polarity=0.5, subjectivity=0.9)

Positive  
agree also believe bitcoin force governments transparent well  
Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
aligrocoin airdrop alg nsymbol alg ntotal supply billion nfollow amp tag people  
ncomment xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)

Neutral

retweet believe one day see bitcoin  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral

ever bought anything bitcoin  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral

bitcoin contributor day  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral

funny worst coins left ethereum eos trx etc nand return got fucking bitcoin us  
dollar erc xf  
Sentiment(polarity=-0.3375, subjectivity=0.7)  
Negative

far educational school ever  
Sentiment(polarity=0.175, subjectivity=0.625)  
Positive

digibyte subject everyone careful wish bigger exchange bigger xe xa  
Sentiment(polarity=-0.06666666666666667, subjectivity=0.5833333333333333)  
Negative

arrival final week may shock crypto world june first sto tezos history begins  
einstein xe xa  
Sentiment(polarity=0.125, subjectivity=0.6666666666666666)  
Positive

legit legally approved bitcoin forex secure investment greater tomorrow invest  
binary trade via bi xe xa  
Sentiment(polarity=0.36666666666666667, subjectivity=0.43333333333333335)  
Positive

xf xb giveaway cro random followers remember bell xf xf like xf retweet xf  
comment cro btc cryp xe xa  
Sentiment(polarity=-0.5, subjectivity=0.5)  
Negative

sending someone wo bitcoin nfor chance win drop btc address xf xf xe xa  
Sentiment(polarity=0.8, subjectivity=0.4)  
Positive

xf xb bitcoin giveaway xf xb nto enter amp like follow us tag friends nends days  
bes xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral

breaking multinational investment bank goldman sachs host conference call  
discuss bitcoin gold inflation wi xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral

nipsey hussle better job explaining bitcoin anyone crypto twitter  
Sentiment(polarity=0.5, subjectivity=0.5)  
Positive

nipsey hussle better job explaining bitcoin anyone crypto twitter  
Sentiment(polarity=0.5, subjectivity=0.5)  
Positive



bitcoin going zero  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 price predictions nbitcoin surpasses end year ethereum surpasses november huge  
 xe xa  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 guys really stupid ideas kept voicing making harder for xe xa  
 Sentiment(polarity=-0.44999999999999996, subjectivity=0.5)  
 Negative  
 bitmex wrote good blog first introduced  
 Sentiment(polarity=0.475, subjectivity=0.4666666666666667)  
 Positive  
 goldman sachs holding client call implications current policies inflation gold  
 bitcoin even better xe xa  
 Sentiment(polarity=0.0, subjectivity=0.4)  
 Neutral  
 follow us let get intangible tokens  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 celebrate the anniversary bitcoin pizza day xfx kucoin giving away total kcs xfx xa  
 xe xa follow xe xa  
 Sentiment(polarity=0.0, subjectivity=0.75)  
 Neutral  
 giving away nano bitcoin help spread word could win xe xa  
 Sentiment(polarity=0.8, subjectivity=0.4)  
 Positive  
 carl menger nature origin money  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 recommend sthcoin iranian president calls national crypto mining strategy  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 bitcoin investment app ceo calls btc monetary revolution technical one  
 Sentiment(polarity=0.0, subjectivity=0.1)  
 Neutral  
 grayscale bought equivalent newly mined bitcoin since state controls supply xe xa  
 Sentiment(polarity=0.13636363636363635, subjectivity=0.45454545454545453)  
 Positive  
 take keys possession every time buy bitcoin  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 xe xef xb fjoin network xe xef xb fshare contents xe xef xb fengaged xe xef xb  
 fget tokenized reward points bitcoin coinlinked buywithbitcoin buy xe xa  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 aligrocoin pick random winners eth follow retweet tag people comment xe xa  
 Sentiment(polarity=-0.5, subjectivity=0.5)

Negative

grayscale bought equivalent newly mined bitcoin since sta controls su xe xa  
Sentiment(polarity=0.13636363636363635, subjectivity=0.45454545454545453)

Positive

bitcoin investment app ceo calls btc monetary revolution technical xc xa one  
Sentiment(polarity=0.0, subjectivity=0.1)

Neutral

bitcoin internet going one major forces reducing role government one thing mis  
xe xa

Sentiment(polarity=0.0625, subjectivity=0.5)

Positive

sending someone wo bitcoin nfor chance win drop btc address xf xf xe xa  
Sentiment(polarity=0.8, subjectivity=0.4)

Positive

cos nreally nice play today cosbtc holding one bit longer already target alts  
looking like xe xa

Sentiment(polarity=0.6, subjectivity=1.0)

Positive

gyp know experience covid like xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)

Neutral

separation money state keeping money state also keep state xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)

Neutral

bitcoin lol  
Sentiment(polarity=0.8, subjectivity=0.7)

Positive

xe discussing momminitmonday monday pm est ignitethefireltc paywithlitecoin xe  
xa

Sentiment(polarity=0.0, subjectivity=0.0)

Neutral

sho ed nbitcoin nof things scumbags could sho decided sho bullish asset pla xe  
xa

Sentiment(polarity=0.0, subjectivity=0.0)

Neutral

sun may nUSD nWght nblk nsize kb ntxs npool mb bitcoin  
Sentiment(polarity=0.0, subjectivity=0.0)

Neutral

bitcoin struggles tiny cryptocurrency soared massive btc crypto xe xa  
Sentiment(polarity=0.0, subjectivity=0.75)

Neutral

date crypto gained mainstream adoption pa ly due lack scalability platforms ac  
xe xa

Sentiment(polarity=-0.125, subjectivity=0.375)

Negative

xf xb giveaway cro random followers remember bell xf xf like xf retweet xf  
comment cro btc cryp xe xa

Sentiment(polarity=-0.5, subjectivity=0.5)

Negative

bitcoin pizza day xf xf xf nretweet friend win cmts cmt ecommerce blockchain  
dpos btc pizz xe xa

Sentiment(polarity=0.8, subjectivity=0.4)

Positive

new blog post blockchain revolutionary explain like xc xa please retweet xe xa

Sentiment(polarity=0.136363636363635, subjectivity=0.454545454545453)

Positive

federal reserve balance sheet broke dollars got bitcoin yet

Sentiment(polarity=0.0, subjectivity=0.0)

Neutral

goal last year least btc bitcoin international cryptocurrency news

Sentiment(polarity=-0.09999999999999999, subjectivity=0.1555555555555556)

Negative

btc latest block info block holds transactions total bitcoin including block rew  
xe xa

Sentiment(polarity=0.25, subjectivity=0.825)

Positive

transfereuim way trn project launched soon trn ico bitcoin ethereum litecoin  
invest investmen xe xa

Sentiment(polarity=0.0, subjectivity=0.0)

Neutral

watch youtube ad free amp browse securely brave built ad blocker faster google  
chrome amp still use xe xa

Sentiment(polarity=0.6000000000000001, subjectivity=0.9)

Positive

thought none institution bought xe xa

Sentiment(polarity=0.0, subjectivity=0.0)

Neutral

sending xcf pi new digital currency developed stanford phds million members  
worldwi xe xa

Sentiment(polarity=0.07878787878787878, subjectivity=0.2515151515151515)

Positive

grayscale bought equivalent newly mined bitcoin since sta controls su xe xa

Sentiment(polarity=0.136363636363635, subjectivity=0.454545454545453)

Positive

found great alternative coinbase btse spot amp futures exchange rivaed

Sentiment(polarity=0.8, subjectivity=0.75)

Positive

sending someone wo bitcoin nfor chance win drop btc address xf xf xe xa

Sentiment(polarity=0.8, subjectivity=0.4)

Positive

gee something happening ngoldman sachs hosting client call bitcoin gold  
inflation via xe xa

Sentiment(polarity=0.0, subjectivity=0.0)

Neutral

thought bitcoin forex trading want know sta inbox xe xa

Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
 xf xb bitcoin giveaway xf xb nto enter amp like follow us tag friends nends days  
 bes xe xa  
 Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
 trillion us fed balance sheet trillion printed year alone trillion last days xe  
 xa  
 Sentiment(polarity=0.0, subjectivity=0.06666666666666667)

Neutral  
 meant bitcoin would go moon tried restrict gold owne xe xa  
 Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
 found great alternative coinbase btse spot amp futures exchange rivaled  
 Sentiment(polarity=0.8, subjectivity=0.75)

Positive  
 gamers get discount buying atari consoles litecoin litecoin atari ga xe xa  
 Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
 baby momma xf bitcoin  
 Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
 upon first glance sats holds lower probability happening ya never know ctsi  
 bitcoin xe xa  
 Sentiment(polarity=0.25, subjectivity=0.3333333333333333)

Positive  
 people broke functionality bitcoin could sell solution  
 Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
 vijay buy ethereum  
 Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
 beautiful thing nif right gold bitcoin go nif wrong dollar falls gold xe xa  
 Sentiment(polarity=0.2119047619047619, subjectivity=0.8119047619047618)

Positive  
 celebrate th anniversary bitcoin pizza day xf kucoin giving away total kcs xf xa  
 xe xa follow xe xa  
 Sentiment(polarity=0.0, subjectivity=0.75)

Neutral  
 xf celebrate th anniversary bitcoin pizza day hotbit giving away total usdt xe  
 xef xb xf follow xe xa  
 Sentiment(polarity=0.0, subjectivity=0.75)

Neutral  
 says btc public staple yet days could en route repo  
 Sentiment(polarity=0.0, subjectivity=0.06666666666666667)

Neutral  
 steem targets hit profit xf xa xf xa nfor gains join iotx link amb edr oax xe xa  
 Sentiment(polarity=0.0, subjectivity=0.0)

Neutral

breaking multinational investment bank goldman sachs host conference call  
 discuss bitcoin gold inflation wi xe xa  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 crypto com xe xa  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 xf celebrate th anniversary bitcoin pizza day hotbit giving away total usdt xe  
 xef xb xf follow xe xa  
 Sentiment(polarity=0.0, subjectivity=0.75)  
 Neutral  
 xe come accept radiohead fan always going disappointment everything kid onwards  
 make xe xa  
 Sentiment(polarity=-0.6, subjectivity=0.4)  
 Negative  
 documentary film review xe banking africa bitcoin revolution xe available amazon  
 prime video  
 Sentiment(polarity=0.2, subjectivity=0.2)  
 Positive  
 change attitude financial institutions towards bitcoin  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 buywithbitcoin buywithether bitcoin adoption coinlinked nvisit website app xe xa  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 bank probably safer bank oldfashioned banks xf xf xa bitcoin viresinnumeris  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 satoshi satoshi satoshi bitcoin libe  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 shout alisha sheknowsfinance amazing write coinlinked incredible platform  
 bitcoin xe xa  
 Sentiment(polarity=0.75, subjectivity=0.9)  
 Positive  
 current bitcoin price nall forks xf btc xf bch xf bsv xf  
 Sentiment(polarity=0.0, subjectivity=0.4)  
 Neutral  
 breaking multinational investment bank goldman sachs host conference call  
 discuss bitcoin gold inflation wi xe xa  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 xf xa financial fun facts jenny ta coinlinked nthe typical lifespan bill mths  
 lifespan xe xa  
 Sentiment(polarity=0.044444444444444446, subjectivity=0.23333333333333333)  
 Positive  
 xf celebrate th anniversary bitcoin pizza day hotbit giving away total usdt xe  
 xef xb xf follow xe xa

Sentiment(polarity=0.0, subjectivity=0.75)  
Neutral  
zero digital ancestor yes zero digit bitcoin many ea shattering innovations nin  
pod xe xa  
Sentiment(polarity=0.25, subjectivity=0.25)  
Positive  
receive free xsc tokens extstock airdrop nsteps follow us tweet comment cryptocu  
xe xa  
Sentiment(polarity=0.4, subjectivity=0.8)  
Positive  
teach messing bitcoin wallet bugger  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
future corona virus money system  
Sentiment(polarity=0.0, subjectivity=0.125)  
Neutral  
dr craig wright satoshi nakamoto bitcoin bsv  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
new release bitcoin forge op return suppo tx creation things ncomments questio  
xe xa  
Sentiment(polarity=0.13636363636363635, subjectivity=0.45454545454545453)  
Positive  
bought euro bitcoin ntoday days later would euro xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
stupidest mistake going australian government filing shit dr craig wright  
satoshi naka xe xa  
Sentiment(polarity=-0.1, subjectivity=0.4)  
Negative  
trump tweet bitcoin nothing price go xe xac  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
help defeat ancient magic pa icipating promotion exciting promotions xe xa  
Sentiment(polarity=0.4, subjectivity=0.9)  
Positive  
bitusher problem even cash back paid illegal security ico  
Sentiment(polarity=-0.25, subjectivity=0.25)  
Negative  
goldman sachs scheduled investor client call discuss implications curren xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
bitcoin pizza day xf xf xf nretweet friend win cmts cmt ecommerce blockchain  
dpos btc pizz xe xa  
Sentiment(polarity=0.8, subjectivity=0.4)  
Positive  
bhow much would suggest average person spend bitcoin  
Sentiment(polarity=0.025000000000000001, subjectivity=0.3)

Positive  
explaining bitcoin holders haha  
Sentiment(polarity=0.2, subjectivity=0.3)

Positive  
bitcoin must hold bulls throw towel analyst crypto crypto news xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
beautiful thing nif right gold bitcoin go nif wrong dollar falls gold xe xa  
Sentiment(polarity=0.2119047619047619, subjectivity=0.8119047619047618)

Positive  
time tell agree one thing though bitcoin boss  
Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
grayscale bought equivalent newly mined bitcoin since sta controls su xe xa  
Sentiment(polarity=0.13636363636363635, subjectivity=0.45454545454545453)

Positive  
xe opening new industry xe name bitcoin  
Sentiment(polarity=0.13636363636363635, subjectivity=0.45454545454545453)

Positive  
btc xc xa two pizzas happy bitcoin xc xa pizza day xf nto celebrate day like  
give one btc xf nho xe xa  
Sentiment(polarity=0.8, subjectivity=1.0)

Positive  
medium term hot wallet everyday payments like mythical bitcoin coffee purchase  
Sentiment(polarity=0.024999999999999994, subjectivity=0.72500000000000001)

Positive  
ford suggested currency backed kilowatt hours kwh exactly found bitcoin bitcoin  
xe xe xa  
Sentiment(polarity=0.25, subjectivity=0.25)

Positive  
ny keep bitcoin texas want iota dallas austin houston want keep cities xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
goal last year least btc reddit bitcoin ethereum btc  
Sentiment(polarity=-0.15, subjectivity=0.23333333333333334)

Negative  
time tell agree one thing though bitcoin boss  
Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
unpopular opinion nif someone calibre kling speak room boomers xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
know us dollar backed intercontinental ballistic missiles aircraft carriers  
nuclear sub xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
hi friends let money work make daily bitcoin investment dm details  
Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
 xe matter time xf xf xf bitcoin  
 Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
 cos binance nit really going xf bitcoin btc link ftm tfuel theta coti  
 Sentiment(polarity=0.2, subjectivity=0.2)

Positive  
 bitcoin goldman sachs scheduled investor client call discuss implications  
 current united sta xe xa  
 Sentiment(polarity=0.0, subjectivity=0.4)

Neutral  
 aligrocoin airdrop alg nsymbol alg ntotal supply billion nfollow amp tag people  
 ncomment xe xa  
 Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
 esh holders receive ratio john mcafee ghost privacy coin may th bigger bitcoin  
 Sentiment(polarity=0.0, subjectivity=0.5)

Neutral  
 hi friends let money work make daily bitcoin investment dm details  
 Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
 nope celsius better interest rates earn cel op xe xa  
 Sentiment(polarity=0.5, subjectivity=0.5)

Positive  
 teokanistras xe xa xe xa bitcoin price drops rejecting key resistance  
 Sentiment(polarity=0.0, subjectivity=1.0)

Neutral  
 hi friends let money work make daily bitcoin investment dm details  
 Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
 ok xe xa  
 Sentiment(polarity=0.5, subjectivity=0.5)

Positive  
 found great alternative coinbase btse spot amp futures exchange rivaled  
 Sentiment(polarity=0.8, subjectivity=0.75)

Positive  
 bitcoin mentioned xc xa yesterday sunday interesting ntrade side daily channels  
 downside xe xa  
 Sentiment(polarity=0.25, subjectivity=0.25)

Positive  
 bitcoin horrid xf  
 Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
 crypto com xe xa  
 Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
 celebrate th anniversary bitcoin pizza day xf kucoin giving away total kcs xf xa  
 xe xa follow xe xa



Sentiment(polarity=0.0, subjectivity=0.75)  
Neutral  
xf pump ale cgld usdt bittrex price increase volume cgld usdt bittrex crypto  
bitcoin xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
hi friends let money work make daily bitcoin investment dm details  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
entered bitcoin giveaway enter free  
Sentiment(polarity=0.4, subjectivity=0.8)  
Positive  
bitcoin community plagued bullying immaturity feel like asshole think xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
xf celebrate th anniversary bitcoin pizza day hotbit giving away total usdt xe  
xef xb xf follow xe xa  
Sentiment(polarity=0.0, subjectivity=0.75)  
Neutral  
imagine hopeless everything would seem right without bitcoin  
Sentiment(polarity=0.2857142857142857, subjectivity=0.5357142857142857)  
Positive  
need bitcoin clunkers program  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
xe come accept radiohead fan always going disappointment everything kid onwards  
make xe xa  
Sentiment(polarity=-0.6, subjectivity=0.4)  
Negative  
added little bag ctsi let xe see xe lead us xf xa made new higher high low  
thanks xe xa  
Sentiment(polarity=0.09314393939393939, subjectivity=0.4157575757575757)  
Positive  
stupidest mistake going australian government filing shit dr craig wright  
satoshi naka xe xa  
Sentiment(polarity=-0.1, subjectivity=0.4)  
Negative  
million bitcoin pizza story unexpected silver lining crypto crypto news  
Sentiment(polarity=0.1, subjectivity=1.0)  
Positive  
cos binance nit really going xf bitcoin btc link ftm tfuel theta coti  
Sentiment(polarity=0.2, subjectivity=0.2)  
Positive  
xf xb bitcoin giveaway xf xb nto enter amp like follow us tag friends nends days  
bes xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
savage xf wrote icle defi defi reinventing global finance faster fed print money

xe xa  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 bitcoin retesting suppo trendline btc daily emas nthis financial advice trading  
 involves risk xe xa  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 hello ni xe teach grow bitcoin ethereum daily earn bitcoin ethe xe xa  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 xe xef xb fjoin network xe xef xb fshare contents xe xef xb fengaged xe xef xb  
 fget tokenized reward points bitcoin coinlinked buywithbitcoin buyw xe xa  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 uphold wallets soon integrated mobile version brave xf bitcoin brave crypto pri  
 xe xa  
 Sentiment(polarity=0.8, subjectivity=1.0)  
 Positive  
 trillion us fed balance sheet trillion printed year alone trillion last days xe  
 xa  
 Sentiment(polarity=0.0, subjectivity=0.06666666666666667)  
 Neutral  
 bitcoin btc current price hour hours days btc bitcoin  
 Sentiment(polarity=0.0, subjectivity=0.4)  
 Neutral  
 bitcoin going zero  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 want attention nneed place sta ngo buy bitcoin nask code amp send nwe go  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 haaaaaa dumb shit  
 Sentiment(polarity=-0.2875, subjectivity=0.65)  
 Negative  
 stack sats purchase bitcoin goes thing free  
 Sentiment(polarity=0.4, subjectivity=0.8)  
 Positive  
 bitcoin magazine presents bitcoin pizza day  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 bitcoin newbie advice gbtc lt coins exchange lt software wallet lt hardware  
 wallet lt multisig non custodial third xe xa  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 bitcoin going zero  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 fall

Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
ia fact ment xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
xe happening xe cimplications current policies inflation gold bitcoin xe  
Sentiment(polarity=0.0, subjectivity=0.4)  
Neutral  
current block height blocks passed since last bitcoin halving bitcoinhalving  
counter  
Sentiment(polarity=0.0, subjectivity=0.2333333333333334)  
Neutral  
download bitcoin core old comp  
Sentiment(polarity=0.1, subjectivity=0.2)  
Positive  
integrated next twitter social poll community app tipbot donate cryptocurr xe xa  
Sentiment(polarity=0.016666666666666666, subjectivity=0.03333333333333333)  
Positive  
sure whether hate apposed pot yet commented bitcoin  
Sentiment(polarity=-0.15000000000000002, subjectivity=0.8944444444444444)  
Negative  
ken search internet people buy bitcoin charge fee give ca xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
try xc xa per btc bpi buy bitcoin banktrans  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
still found satoshi bitcoin still dead onwards  
Sentiment(polarity=-0.2, subjectivity=0.4)  
Negative  
bitcoin transaction fee spikes confused reasonable fee pay overpay precious  
satoshis xe xa  
Sentiment(polarity=0.09999999999999999, subjectivity=0.7666666666666666)  
Positive  
venezuela xe hyperinflation rate hit million percent point last year wtf  
Sentiment(polarity=-0.25, subjectivity=0.5333333333333333)  
Negative  
imerjw business owner wants accept sell bitcoin ethereum use xe xa  
Sentiment(polarity=0.2, subjectivity=0.1)  
Positive  
happy bitcoin pizza day ntoday spent digibyte make homemade pizzas nhow much dgb  
think spend xe xa  
Sentiment(polarity=0.30000000000000004, subjectivity=0.4333333333333335)  
Positive  
try catchup downloading missed casa jus xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
xe xac xef xb xe xac xef xb btc buying pressure ale xf price trading around xf

bitcoin crypto  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 buying bitcoin really win win nnumber go make money nnumber go bitcoin dollar  
 number go  
 Sentiment(polarity=0.8, subjectivity=0.4)  
 Positive  
 bitcoin pizza day xf xf xf nretweet friend win cmts cmt ecommerce blockchain  
 dpos btc pizz xe xa  
 Sentiment(polarity=0.8, subjectivity=0.4)  
 Positive  
 bitcoin sv seale tone plank  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 celebrate th anniversary bitcoin pizza day xf kucoin giving away total kcs xf xa  
 xe xa follow xe xa  
 Sentiment(polarity=0.0, subjectivity=0.75)  
 Neutral  
 breaking multinational investment bank goldman sachs host conference call  
 discuss bitcoin gold inflation wi xe xa  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 new sho video xf xb bs filter confession crypto trader xf xa luv haircut way xf  
 wechoosebitcoinsv xe xa  
 Sentiment(polarity=0.13636363636363635, subjectivity=0.45454545454545453)  
 Positive  
 still buying bitcoin high rate dm  
 Sentiment(polarity=0.16, subjectivity=0.5399999999999999)  
 Positive  
 giving away nano bitcoin help spread word could win xe xa  
 Sentiment(polarity=0.8, subjectivity=0.4)  
 Positive  
 sending someone wo bitcoin nfor chance win drop btc address xf xf xe xa  
 Sentiment(polarity=0.8, subjectivity=0.4)  
 Positive  
 documentary film review xe banking africa bitcoin revolution xe available amazon  
 prime video  
 Sentiment(polarity=0.2, subjectivity=0.2)  
 Positive  
 tweet good bitcoin  
 Sentiment(polarity=0.7, subjectivity=0.6000000000000001)  
 Positive  
 cou found bitcoin digital asset protected law russia russian pol xe xa  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 xe happening xe cimPLICATIONS current policies inflation gold bitcoin xe  
 Sentiment(polarity=0.0, subjectivity=0.4)  
 Neutral

bitcoin casino cryptofairplay provably fair games casino affiliate  
 Sentiment(polarity=0.7, subjectivity=0.9)  
 Positive  
 looking projects last days definitely keep eye nex got warm welcome th xe xa  
 Sentiment(polarity=0.35, subjectivity=0.5166666666666666)  
 Positive  
 first follower leadership lessons dancing guy derek sivers bitcoin btc  
 Sentiment(polarity=0.25, subjectivity=0.3333333333333333)  
 Positive  
 lifetime package daily signals technical analysis strategies suppo xe xef xb  
 flimited time pl xe xa  
 Sentiment(polarity=0.0, subjectivity=0.05)  
 Neutral  
 xf celebrate th anniversary bitcoin pizza day hotbit giving away total usdt xe  
 xef xb xf follow xe xa  
 Sentiment(polarity=0.0, subjectivity=0.75)  
 Neutral  
 let small giveaway xf total crypto xf link eth ada zil theta nto different  
 persons nli xe xa  
 Sentiment(polarity=-0.0833333333333333, subjectivity=0.5833333333333334)  
 Negative  
 bitcoin key nfew understand  
 Sentiment(polarity=0.0, subjectivity=1.0)  
 Neutral  
 grayscale bitcoin trust whole new level naverage weekly investment million  
 naverage weekly xe xa  
 Sentiment(polarity=0.16818181818181818, subjectivity=0.42727272727272725)  
 Positive  
 know bitcoin xe price increased times times respectively year st nd halving xf  
 xe xa  
 Sentiment(polarity=0.0, subjectivity=0.1)  
 Neutral  
 trillion us fed balance sheet trillion printed year alone trillion last days xe  
 xa  
 Sentiment(polarity=0.0, subjectivity=0.06666666666666667)  
 Neutral  
 imagine hopeless everything would seem right without bitcoin  
 Sentiment(polarity=0.2857142857142857, subjectivity=0.5357142857142857)  
 Positive  
 sending someone wo bitcoin nfor chance win drop btc address xf xf xe xa  
 Sentiment(polarity=0.8, subjectivity=0.4)  
 Positive  
 make sure buying real bitcoin scammed  
 Sentiment(polarity=0.35, subjectivity=0.5944444444444444)  
 Positive  
 bitcoin contributor day  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral

way proof work described actual bitcoin documentation target value xe xa  
 Sentiment(polarity=0.0, subjectivity=0.1)  
 Neutral  
 told could send million dollars whatsapp without fees instantly anyone anywhere  
 worl xe xa  
 Sentiment(polarity=0.0, subjectivity=0.6666666666666666)  
 Neutral  
 another reason invest china cou found bitcoin digital asset protected law russ  
 xe xa  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 giving away nano bitcoin help spread word could win xe xa  
 Sentiment(polarity=0.8, subjectivity=0.4)  
 Positive  
 one xf xa xf xf one nfiat xc xa bitcoin eth xf xc xa xc xa xc xa xf xc xa xc xa  
 xf  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 humans use credit cards things xe mean anything xe use get bitcoin thing matters  
 Sentiment(polarity=-0.3125, subjectivity=0.6875)  
 Negative  
 adam us get idea looking transactions block explorer xe xa  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 bitcoin leaves banking stocks dust imf warns banks major losses  
 Sentiment(polarity=0.0625, subjectivity=0.5)  
 Positive  
 featured icle today please forget subscribe daily newsletter xe xa  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 live paychecks earn mr cook hagin week without sending anyone money xe xa  
 Sentiment(polarity=0.13636363636363635, subjectivity=0.5)  
 Positive  
 bitcoin could readying stage comeback similar spike according analysts ethereum  
 Sentiment(polarity=0.0, subjectivity=0.4)  
 Neutral  
 gamers get discount buying atari consoles litecoin litecoin atari ga xe xa  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 xf xa thread bitcoin headed market cycle analysis nif go previous threads wrote  
 xe xa  
 Sentiment(polarity=-0.16666666666666666, subjectivity=0.16666666666666666)  
 Negative  
 bitcoin nice little profit trading  
 Sentiment(polarity=0.20625, subjectivity=0.75)  
 Positive  
 remi wonders bitphantom xf xa nno shitcoin timeline xf xaa nfollow nreceive give  
 xe xa

Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
bitcoin contributor day  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
update overall bitcoin btc btc  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
found great alternative coinbase btse spot amp futures exchange rivaled  
Sentiment(polarity=0.8, subjectivity=0.75)  
Positive  
people broke functionality bitcoin could sell solution  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
bitcoin today bitcoin  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
watch youtube ad free amp browse securely brave built ad blocker faster google  
chrome amp still use xe xa  
Sentiment(polarity=0.6000000000000001, subjectivity=0.9)  
Positive  
btc may bitmex xbtusd readcrypto xbtusd  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
bitcoin btc may xbtusd cha  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
thoughtsbackthursday xf xa xa bitcoin outperforming gold amp stocks far month  
bitcoin vs gold xf xaewhich xe xa  
Sentiment(polarity=0.1, subjectivity=1.0)  
Positive  
bitcoin  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
bitcoin leaves banking stocks dust imf warns banks major losses xe zycrypto xe  
xa  
Sentiment(polarity=0.0625, subjectivity=0.5)  
Positive  
celebrate th anniversary bitcoin pizza day xf kucoin giving away total kcs xf xa  
xe xa follow xe xa  
Sentiment(polarity=0.0, subjectivity=0.75)  
Neutral  
live paychecks earn mr cook hagin wee xe xa  
Sentiment(polarity=0.13636363636363635, subjectivity=0.5)  
Positive  
bitcoin pizza day xf xf xf nretweet friend win cmts cmt ecommerce blockchain  
dpos btc pizz xe xa  
Sentiment(polarity=0.8, subjectivity=0.4)

Positive  
 crypto community would like bitcoin puzzle riddles xf xf xa xa next streeta  
 murals crypt xe xa  
 Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
 giving away nano bitcoin help spread word could win xe xa  
 Sentiment(polarity=0.8, subjectivity=0.4)

Positive  
 bitcoin might drop tradegang  
 Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
 africa seen explosion growth among peer peer bitcoin traders within last month  
 even outpacing xe xa  
 Sentiment(polarity=0.0, subjectivity=0.06666666666666667)

Neutral  
 bitcoin investment app ceo calls btc monetary revolution technical one news xe  
 xa  
 Sentiment(polarity=0.0, subjectivity=0.1)

Neutral  
 enter promo code takeaction  
 Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
 trade crypto forex amp commodities leverage xf giving away btc xe xa  
 Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
 goldman sachs holding client call implications current policies inflation gold  
 bitcoin even ba xe xa  
 Sentiment(polarity=0.0, subjectivity=0.4)

Neutral  
 today marks th anniversary bitcoin pizza day celebration one earliest documented  
 payments made xe xa  
 Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
 breaking multinational investment bank goldman sachs host conference call  
 discuss bitcoin gold inflation wi xe xa  
 Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
 people broke functionality bitcoin could sell solution  
 Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
 bitcoin investment app ceo calls btc monetary revolution technical one xeonbit  
 live stream  
 Sentiment(polarity=0.06818181818181818, subjectivity=0.3)

Positive  
 bitcoin miners use derivatives like traditional commodity producers  
 Sentiment(polarity=0.0, subjectivity=0.75)

Neutral  
 xf mining bitcoin contest xf nwrite comment post actual bitcoin price may utc xe



xa  
 Sentiment(polarity=0.0, subjectivity=0.1)  
 Neutral  
 piece said bitcoin stock xe xa  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 hey adam take example mb block mined unknown miner ine xe xa  
 Sentiment(polarity=-0.1, subjectivity=0.6)  
 Negative  
 aligrocoin airdrop alg nsymbol alg nttotal supply billion nfollow amp tag people  
 ncomment xe xa  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 join us sunday pm mst pm est late blockchain breakfast live chel kim meconcash  
 south korea xe xa  
 Sentiment(polarity=-0.081818181818182, subjectivity=0.55)  
 Negative  
 worst whining community crypto nyour choice list comment xf xe xa  
 Sentiment(polarity=-1.0, subjectivity=1.0)  
 Negative  
 entered bitcoin giveaway enter free  
 Sentiment(polarity=0.4, subjectivity=0.8)  
 Positive  
 btc xc xa two pizzas happy bitcoin xc xa pizza day xf nto celebrate day like  
 give one btc xf nho xe xa  
 Sentiment(polarity=0.8, subjectivity=1.0)  
 Positive  
 deposit bitcoin watch grow sounds dodgy  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 gifted programmer drug gun runner money launderer murderer tied crypto bitcoin  
 invented xe xa  
 Sentiment(polarity=0.5, subjectivity=1.0)  
 Positive  
 another reason invest china cou found bitcoin digital asset protected law xe xa  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 bitcoin kinda thang  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 interesting probably talk much shit bitcoin push clients xe xa  
 Sentiment(polarity=0.15, subjectivity=0.65)  
 Positive  
 says btc public staple yet days could en route repo  
 Sentiment(polarity=0.0, subjectivity=0.0666666666666667)  
 Neutral  
 give someone retweets following within hrs  
 Sentiment(polarity=0.0, subjectivity=0.1)

Neutral  
 bitcoin stuck seems  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 dems repubs matter robbing us bitcoin  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 date crypto gained mainstream adoption pa ly due lack scalability platforms ac  
 xe xa  
 Sentiment(polarity=-0.125, subjectivity=0.375)  
 Negative  
 hard lose money btc buy high sta dca every weeks  
 Sentiment(polarity=-0.06583333333333334, subjectivity=0.5408333333333333)  
 Negative  
 know bitcoin xe price increased times times respectively year st nd halving xf  
 xe xa  
 Sentiment(polarity=0.0, subjectivity=0.1)  
 Neutral  
 breaking multinational investment bank goldman sachs host conference call  
 discuss bitcoin gold inflation wi xe xa  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 never grows old bitcoin  
 Sentiment(polarity=0.1, subjectivity=0.2)  
 Positive  
 bitcoin first experiment slow wasted lot energy huge fees could upgrade xe xa  
 Sentiment(polarity=0.037500000000000006, subjectivity=0.4083333333333333)  
 Positive  
 tried donate https rawtweets csv rawtweets co ojuixavpib work ok saved xe xa  
 Sentiment(polarity=0.5, subjectivity=0.5)  
 Positive  
 currently working making bitcoin trading bot available monthly subscription  
 thing xe xa  
 Sentiment(polarity=0.2, subjectivity=0.4)  
 Positive  
 segwit help much lightning still freaky users liquidity channels management xe  
 xa  
 Sentiment(polarity=0.2, subjectivity=0.2)  
 Positive  
 responding coti cha talking bitcoin  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 integrated next twitter social poll community app tipbot donate cryptocurr xe xa  
 Sentiment(polarity=0.016666666666666666, subjectivity=0.03333333333333333)  
 Positive  
 believe soon everybody owning bitcoin want pa mirror trading international mti  
 tradepool xe xa  
 Sentiment(polarity=0.0, subjectivity=0.0)

Neutral

bitcoin king nwhen come king better miss xmr privacy default tail emission dcr  
secu xe xa

Sentiment(polarity=0.5, subjectivity=0.5)

Positive

gamers get discount buying atari consoles litecoin litecoin atari ga xe xa

Sentiment(polarity=0.0, subjectivity=0.0)

Neutral

coldplay bassist dives bitcoin app world btc cryptocurrency cryptonews investing  
adoption via xe xa

Sentiment(polarity=0.0, subjectivity=0.0)

Neutral

bitcoin never become reserve currency already massive success xe xa

Sentiment(polarity=0.15, subjectivity=0.5)

Positive

market economy everything around us clothes cars buildings light food bitcoin  
tool supe xe xa

Sentiment(polarity=0.4, subjectivity=0.7)

Positive

weird sensation tht alts plumber bitcoin goes pretty soon

Sentiment(polarity=-0.125, subjectivity=1.0)

Negative

bitcoin price prediction btc usd struggles crash support

Sentiment(polarity=0.0, subjectivity=0.0)

Neutral

take slice nice privacy xf pizza one know many slices took bitcoinpizzaday  
bitcoin daps xe xa

Sentiment(polarity=0.55, subjectivity=0.75)

Positive

market economy everything around us clothes cars buildings light food bitcoin xe  
xa

Sentiment(polarity=0.4, subjectivity=0.7)

Positive

ron paul saw bitcoin coming way back nhe might known name knew market demanding  
wo xe xa

Sentiment(polarity=0.0, subjectivity=0.0)

Neutral

fed amp biggest threat bitcoin bitcoin bitcoinforum

Sentiment(polarity=0.0, subjectivity=0.0)

Neutral

bitcoin amp biggest threat bitcoin bitcoin bitcoinforum

Sentiment(polarity=0.0, subjectivity=0.0)

Neutral

get one run bitcoin bitcoinforum

Sentiment(polarity=0.0, subjectivity=0.0)

Neutral

thank jack cool bitcoin bitcoinforum

Sentiment(polarity=0.35, subjectivity=0.65)

[illegible]

Negative  
 think bitcoin year need better adoption bitcoinforum  
 Sentiment(polarity=0.5, subjectivity=0.5)  
 Positive  
 bitcoin pizza day fast approaching bitcoinforum  
 Sentiment(polarity=0.1, subjectivity=0.3)  
 Positive  
 btc halving countdown day left xef xbc fun fact student norway flag norway  
 bought btc xe xa xe xa  
 Sentiment(polarity=0.15, subjectivity=0.1)  
 Positive  
 mt fox lost bitcoins couple years back leave bitcoins exchanges anyone xe xa  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 thanks coming ted talk bitcoin via  
 Sentiment(polarity=0.2, subjectivity=0.2)  
 Positive  
 choose store human time via  
 Sentiment(polarity=0.0, subjectivity=0.1)  
 Neutral  
 answer bitcoin price halving via  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 money siege probably buy defences via  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 halving happen bitcoin code technical via  
 Sentiment(polarity=0.0, subjectivity=0.1)  
 Neutral  
 alex winter latest documentary trust machine story blockchain currently rotten  
 tom xe xa via  
 Sentiment(polarity=0.16666666666666666, subjectivity=0.43333333333333335)  
 Positive  
 rules bitcoin one noob another via  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 bitcoin probably thing left socialize loses privatizes gains via  
 Sentiment(polarity=-0.15, subjectivity=0.05)  
 Negative  
 vi ual bitcoin race car tonight beat real dale earnhardt jr kyle busch oth xe xa  
 xe xa  
 Sentiment(polarity=0.2, subjectivity=0.30000000000000004)  
 Positive  
 bullish bloomberg released repo calling bitcoin digital gold april bitcoinforum  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 bitcoin bitcoinforum  
 Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
prepare qe coming bitcoinforum bitcoin  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
better late nocoiner bitcoin  
Sentiment(polarity=0.1, subjectivity=0.55)  
Positive  
fed injects equivalent bitcoin overnight repo operations nall well please get  
back work xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
geiger bitcoin looks like pretty risky asset compare everything else  
Sentiment(polarity=0.25, subjectivity=1.0)  
Positive  
fiat money comfo zone bitcoin growth zone make choice bitcoinforum  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
people sta ing catch onto fact bitcoin escape global financial collapse xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
buying power time bitcoin bitcoinforum  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
debitpay directory list places spend bitcoin without bitpay bitcoinforum  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
list bitcoin person person bitcoin exchanges bisq hodlhodl localcoinswap etc via  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
watford jersey bitcoin via  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
croatian post office offering crypto cash via  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
bitcoin near downtown dallas via  
Sentiment(polarity=0.1, subjectivity=0.4)  
Positive  
negative interest rates getting bankers nervy bitcoin accrues value via  
Sentiment(polarity=-0.3, subjectivity=0.4)  
Negative  
used bisq first time via  
Sentiment(polarity=0.25, subjectivity=0.3333333333333333)  
Positive  
million clu members reddit feel owning bitcoin via  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
found amsterdam via

Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
bitcoin istanbul via  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
bitcoin legal status around world repo pdf via  
Sentiment(polarity=0.2, subjectivity=0.2)  
Positive  
jpmorgan puts pressure south african banks close crypto exchange accounts via  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
introducing btcpay vault desktop app allows use hardware wallet btcpay server  
full xe xa  
Sentiment(polarity=0.35, subjectivity=0.55)  
Positive  
invested btc first time ever plan anything expecting ro xe xa  
Sentiment(polarity=0.25, subjectivity=0.3333333333333333)  
Positive  
else lives like via  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
peter schiff story great lesson anyone new world bitcoin via  
Sentiment(polarity=0.4681818181818182, subjectivity=0.6022727272727273)  
Positive  
real world use cases drive crypto growth via  
Sentiment(polarity=0.2, subjectivity=0.30000000000000004)  
Positive  
macafee changes tune via  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
bitcoin hash rate hits time highs sta via  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
bitcoin baby one years old via  
Sentiment(polarity=0.1, subjectivity=0.2)  
Positive  
wrote offline bitcoin block explorer loads data bitcoin core allows explore  
blockcha xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
moving money far better bitcoinlightning via  
Sentiment(polarity=0.3, subjectivity=0.75)  
Positive  
spotted wall bar tokyo via  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
ukrainian company hotmine created electric heater mining bitcoin heats home via  
Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
 grayscale sees massive bitcoin inflow million despite bear market means  
 institutions xe xa  
 Sentiment(polarity=0.0, subjectivity=1.0)

Neutral  
 cnbc bitcoin may poised huge breakout via  
 Sentiment(polarity=0.4000000000000001, subjectivity=0.9)

Positive  
 snowden us seizing book revenue xe good bitcoin xe via  
 Sentiment(polarity=0.7, subjectivity=0.6000000000000001)

Positive  
 central bank digital currencies dont matter via  
 Sentiment(polarity=0.0, subjectivity=0.125)

Neutral  
 lnbits simple python free open source lightning network wallet via  
 Sentiment(polarity=0.1333333333333333, subjectivity=0.5523809523809524)

Positive  
 bitcoin beer faucet via  
 Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
 bitcoin yearly lows interesting highs via  
 Sentiment(polarity=0.5, subjectivity=0.5)

Positive  
 true via  
 Sentiment(polarity=0.35, subjectivity=0.65)

Positive  
 balaji srinivasan bitcoin decade ends biggest unicorn xe uber airbnb xe xa via  
 Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
 sound unbiased repo ing always bitcoin bitcoinforumcom  
 Sentiment(polarity=0.4, subjectivity=0.4)

Positive  
 serious bitcoin bitcoinforumcom  
 Sentiment(polarity=-0.3333333333333333, subjectivity=0.6666666666666666)

Negative  
 kaul think love lol leader mean acting xe xa  
 Sentiment(polarity=0.246875, subjectivity=0.49687499999999996)

Positive  
 kaul find interesting profile world leader blockchain payment technology  
 Sentiment(polarity=0.5, subjectivity=0.5)

Positive  
 remember joined twitter mytwitteranniversary bitcoinforumcom bitcoin  
 Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
 kaul shameless pretending provide excellent customer service profiting never  
 seen xe xa  
 Sentiment(polarity=1.0, subjectivity=1.0)

Positive



could evil company using bitpay use btcpayserver bitcoin bitcoinforumcom  
 Sentiment(polarity=-1.0, subjectivity=1.0)  
 Negative

poland repatriates tons gold bank england storage nothing unusual right via  
 Sentiment(polarity=0.24285714285714285, subjectivity=0.7678571428571428)  
 Positive

current governments never designed world connectivity internet bitcoin xe xa via  
 Sentiment(polarity=0.0, subjectivity=0.4)  
 Neutral

stack sats hodl vg fh via  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral

fold app emerges beta adds delta domino xe others sats back rewards via  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral

xmas strong hands accumulate enjoy discount via  
 Sentiment(polarity=0.41666666666666663, subjectivity=0.6166666666666667)  
 Positive

bitcoin core software update uses segwit addresses default via  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral

created flyer celebrate years anniversary forum created satoshi xe xa  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral

psa australians pay credit card rent bills xe xa lightning network xe xa today  
 via  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral

gzutek bitcoin slang epic xe xbfitcoin rap song must watch bitcoin forum  
 Sentiment(polarity=0.1, subjectivity=0.4)  
 Positive

friendly reminder enough btc even half today millionaire one via  
 Sentiment(polarity=0.06944444444444445, subjectivity=0.3888888888888889)  
 Positive

snicker alice bob mix bitcoin interaction via  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral

bitcoin fixes paypal cuts payouts pornhub models via  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral

think long term let whales take away future freedom via  
 Sentiment(polarity=-0.025, subjectivity=0.2625)  
 Negative

best bitcoin desktop wallet via  
 Sentiment(polarity=1.0, subjectivity=0.3)  
 Positive

john mcafee fighting crime responsibility cryptocurrency companies via  
 Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
morgan creek capital ceo says xe csell amazon stock buy bitcoin xe via  
Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
anonymous detailed bitcoin fund privacy tech development via  
Sentiment(polarity=0.4, subjectivity=0.75)

Positive  
paraphrase jay powell said xe cour debt growing faster economy xe simple xe xa  
via  
Sentiment(polarity=0.0, subjectivity=0.35714285714285715)

Neutral  
top industries millennial investors via  
Sentiment(polarity=0.5, subjectivity=0.5)

Positive  
bitcoin atms world today xe bet years time via  
Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
swiss retailers soon accept bitcoin via  
Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
event bank organized via  
Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
bitcoin hailed xe success china dramatic shift attitude via  
Sentiment(polarity=-0.06666666666666665, subjectivity=0.3)

Negative  
venezuelan president promoted trezor wallet national television  
Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
bakkt bitcoin futures set new record amid bitcoin dump  
Sentiment(polarity=0.13636363636363635, subjectivity=0.45454545454545453)

Positive  
never able censor jack tweeting bitcoin via  
Sentiment(polarity=-0.25, subjectivity=0.625)

Negative  
bitcoin xe lightning used private messaging via  
Sentiment(polarity=0.0, subjectivity=0.375)

Neutral  
bad news buy bitcoinforumcom  
Sentiment(polarity=-0.6999999999999998, subjectivity=0.6666666666666666)

Negative  
often forget come fit antiquated system via  
Sentiment(polarity=0.4, subjectivity=0.4)

Positive  
daily discussion november via  
Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
square cash app beating coinbase offers significantly lower fees small bitcoin

purchases via  
Sentiment(polarity=0.075, subjectivity=0.425)  
Positive

tell irs bitcoin beyond seizure via  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral

millennials take back wealth stay away assets overpriced stocks overpriced real  
xe xa via  
Sentiment(polarity=0.1, subjectivity=0.15000000000000002)  
Positive

triumvirate liquidity via  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral

today friend returned day trip po ugal told opened bitcoin bar xe xa via  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral

best preforming asset decade via  
Sentiment(polarity=1.0, subjectivity=0.3)  
Positive

lightning network improvement proposal way send btc without asking recipient  
invoice via  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral

finally good use bitcoinforumcom  
Sentiment(polarity=0.7, subjectivity=0.6000000000000001)  
Positive

americans believe dollar backed gold bitcoinforumcom  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral

football family two bitcoiners one field let xe continue share gospel shout xe  
xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral

instant messaging lightning killer application potential world needs censorship  
resistant chatting wi xe xa  
Sentiment(polarity=0.0, subjectivity=0.8333333333333333)  
Neutral

whatsat decentralized app private instant messages built lightning network info  
comm xe xa  
Sentiment(polarity=0.0, subjectivity=0.5208333333333333)  
Neutral

french college students study bitcoin curriculum bitcoinforumcom  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral

ignore fud promise bitcoin based one thing one thing freedom via  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral

td ameritrade might offer bitcoin trading upcoming months via

Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
went got passpo renewed find take cash debit credit cards tak xe xa via  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
locked internet bank amp app forced answer questions income politics savings etc  
xe xa xe xa  
Sentiment(polarity=-0.30000000000000004, subjectivity=0.2)  
Negative  
race internet native currency bitcoin leading bitcoinforumcom  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
lightning conference live stream via  
Sentiment(polarity=0.13636363636363635, subjectivity=0.5)  
Positive  
one bitcoin xe oldest mining companies giving accredited investors around world  
alternative exposure bitc xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
xf xa guess topic tomorrow coinexinstitution icle finishing sentence xe cin  
cryptocurrency circle xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
prepared spanish flu returned fall corona reappears fascist fauci shut  
everything includin xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
bitcoin people please tired shame hard tell follow xf xad xf xad xf  
Sentiment(polarity=-0.3458333333333333, subjectivity=0.6208333333333333)  
Negative  
little recap amazing bitcoin pizza day pa last week xf ntogether crypto xe xa  
Sentiment(polarity=0.13750000000000004, subjectivity=0.4888888888888889)  
Positive  
learn hard lesson chuckie cheese tokens utility tokens negligible valu xe xa  
Sentiment(polarity=-0.2916666666666667, subjectivity=0.5416666666666666)  
Negative  
wo bitcoin longed nexchange bitmex  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
recent bitcoin fall predicted well known whale joe tele xe xa  
Sentiment(polarity=0.0, subjectivity=0.25)  
Neutral  
year btc trading price stable xe moved years nyoun xe bar overhear two frie xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
bitcoin catch  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral

eurusd targets done usd profits day nopen people  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral

digital assets data ceo said btc could take role gold repo  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral

samsung leaning crypto goldman sachs wall street lean looking forward see plays  
xf xbf ht xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral

kylie giveaway invested bitcoin made xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral

nah blockstream xe fucked one nthey proceed whats best xe xa  
Sentiment(polarity=0.2, subjectivity=0.5)  
Positive

terminal runing cpucap inc bitcoin mining rewards cpu via  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral

samsung doubles bitcoin crypto xe gemini exchange integration revealed xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral

send bitcoin someone retweets following guy uk within hrs  
Sentiment(polarity=0.0, subjectivity=0.1)  
Neutral

bitcoin dominance nis harsh rejection bitcoin dominance sta altszn xf xa alts  
altcoins altseason xe xa  
Sentiment(polarity=-0.2, subjectivity=0.7)  
Negative

going fed counterfeiterers xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral

know use bitcoin imma need mar  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral

mark zuckerberg threat democracy  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral

io absolute guarantee zcash su xe xa  
Sentiment(polarity=0.2, subjectivity=0.9)  
Positive

learn spot trading coinex exchange  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral

stellar throws satsoshipay lifeline coronavirus knocks series xbt btc bitcoin  
Sentiment(polarity=0.25, subjectivity=0.25)  
Positive

people think bitcoin scam hoo boy

Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
help people earn daily pay profit receive profit ask xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
wishes ada right ada cardano crypto bitcoin eth ethereum minneapolisriots btc  
bloc xe xa  
Sentiment(polarity=0.2857142857142857, subjectivity=0.5357142857142857)  
Positive  
bitcoinpizza would wo us right last hours bitcoin  
Sentiment(polarity=0.14285714285714285, subjectivity=0.3011904761904762)  
Positive  
people really diversifying different altcoins even much bitcoin nnot greatest  
idea xe xa  
Sentiment(polarity=0.35, subjectivity=0.5)  
Positive  
found xrpcommunity xrp xrp mxn liquidity index breaks ath usd mxn transfers  
powered xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
matter one bitcoin wo vs per share gs ngoldman market cap bill xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
know saving difficult disciplined bitcoin reward  
Sentiment(polarity=-0.5, subjectivity=1.0)  
Negative  
would love came gaming looking build huge communit xe xa  
Sentiment(polarity=0.45000000000000007, subjectivity=0.75)  
Positive  
know one wants hear xe cbitcoin fixes xe times chaos fixing money fact fix  
society sel xe xa  
Sentiment(polarity=0.2, subjectivity=0.1)  
Positive  
xe good trump asked doj investigate xe old bs result really needs ask xe xa  
Sentiment(polarity=0.3333333333333333, subjectivity=0.3333333333333333)  
Positive  
link link bought nit ready another impulse wave nlink btc still triangle daily  
timeframe nj xe xa  
Sentiment(polarity=0.1, subjectivity=0.25)  
Positive  
breaking gemini pa ners samsung allow samsung sma phone users buy  
cryptocurrenices blockch xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
coti binance kucoin npossible play bitcoin btc calms  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
also agree even bitcoin right going al xe xa

Sentiment(polarity=0.2857142857142857, subjectivity=0.5357142857142857)  
Positive  
xf xa huobi bounty time nwhat could xf xb bitcoin ntake challenges find xe xac  
xef xb fno pain gain xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
sc siacoin xe soon imo bitcoin  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
teamed giveaway nto enter xf click entries xf xa xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
bad news cashless society becoming reality ngood news bitcoin  
Sentiment(polarity=-0.12499999999999992, subjectivity=0.7583333333333333)  
Negative  
small store take cards xe xa  
Sentiment(polarity=-0.25, subjectivity=0.4)  
Negative  
buy gold silver bitcoin alcohol cigarettes vegas  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
breaking gemini pa ners samsung allow samsung sma phone users buy  
cryptocurrenices blockch xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
easy forget young bitcoin terms wealth potential think seeing shift away xe xa  
Sentiment(polarity=0.17777777777777778, subjectivity=0.7444444444444445)  
Positive  
responded first included information custodians exchanges guess xe xa  
Sentiment(polarity=0.25, subjectivity=0.3333333333333333)  
Positive  
breaking gemini pa ners samsung allow samsung sma phone users buy  
cryptocurrenices blockch xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
sachs bother small fry like bitcoin pa nered gates goal xe xa scn  
Sentiment(polarity=-0.25, subjectivity=0.4)  
Negative  
bitcoin fees high impossible send friend without losing value xe xa  
Sentiment(polarity=-0.2533333333333333, subjectivity=0.77)  
Negative  
receive free bat tokens extstock airdrop nsteps follow us tweet comment  
cryptocurre xe xa  
Sentiment(polarity=0.4, subjectivity=0.8)  
Positive  
xe sending one person days many different options chose earn entries good luck  
nto enter xf xe xa  
Sentiment(polarity=0.39999999999999997, subjectivity=0.5666666666666668)

Positive  
 pa ethereum month look traders leveraging ethereum bitcoin relative market xe xa  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 bitcoin matters built  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 scary times govts get intrusive amp authoritarian none way preserve privacy  
 freedom amp xe xa  
 Sentiment(polarity=-0.5, subjectivity=1.0)  
 Negative  
 bitcoin bullish boys xf  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 breaking gemini pa ners samsung allow samsung sma phone users buy  
 cryptocurrenices blockch xe xa  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 crypto guests fake bitcoiners bitcoin pizza day co xe xa  
 Sentiment(polarity=-0.5, subjectivity=1.0)  
 Negative  
 help people earn daily pay profit receive profit ask xe xa  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 ist person creates creates people want see understand apprecia xe xa  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 prepared spanish flu returned fall corona reappears fascist fauci shut  
 everything includin xe xa  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 every time go outside bitcoin twitter bubble realize stupid humanity really  
 ready lead sor xe xa  
 Sentiment(polarity=-0.19999999999999996, subjectivity=0.5166666666666667)  
 Negative  
 work progress bitcoin bitcoina  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 looting news awful see  
 Sentiment(polarity=-1.0, subjectivity=1.0)  
 Negative  
 goldman releases anti crypto repo price btc goes eth goes nrussia claims ban  
 bitcoi xe xa  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 bitcoin still locked inside long term triangle bitcoin  
 Sentiment(polarity=-0.05, subjectivity=0.4)  
 Negative



mit degree verified bitcoin blockchain done without token  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
xe give someone retweets tweet following ends minutes xe xe xa  
Sentiment(polarity=0.0, subjectivity=0.1)  
Neutral  
sбетio xf xa steve multi magic back xf xef xb rules simple xef xb xe xa retweet  
visual xef xb xe xa pa icipants get mbtc free bet wi xe xa  
Sentiment(polarity=0.18, subjectivity=0.4314285714285715)  
Positive  
breaking gemini pa ners samsung allow samsung sma phone users buy  
cryptocurrenices blockch xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
looks like hongkong usd moving btc trying escape currency exile bitcoin  
tothemoon  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
buy enough nthat xe chance nthey using law enforcement love xe xa  
Sentiment(polarity=0.25, subjectivity=0.55)  
Positive  
breaking gemini pa ners samsung allow samsung sma phone users buy  
cryptocurrenices blockch xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
btc usd transferred binance unknown wallet tx  
Sentiment(polarity=-0.1, subjectivity=0.6)  
Negative  
xe give someone retweets tweet within minutes must following guy uk  
Sentiment(polarity=0.0, subjectivity=0.1)  
Neutral  
btc nwhat kept price right dollar bullzooka xf xa btc bitcoin  
Sentiment(polarity=0.2857142857142857, subjectivity=0.5357142857142857)  
Positive  
earn bitcoins clicking ads bitcoin via  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
kleimans lawyers argue craig wright satoshi therefore owed bitcoin also say  
evidence xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
bitcoin dominance nis harsh rejection bitcoin dominance sta altszn xf xa alts  
altcoins altseason xe xa  
Sentiment(polarity=-0.2, subjectivity=0.7)  
Negative  
fiat atomic swap easy explained xf xa xf xad via nimiq oasis fintech blockchain  
blockchain xe xa  
Sentiment(polarity=0.43333333333333335, subjectivity=0.8333333333333334)

Positive  
 btc bitcoin spread usa btc ultimate safe commodity blast xe xa  
 Sentiment(polarity=0.25, subjectivity=0.75)  
 Positive  
 mit degree verified bitcoin blockchain done without token  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 samsung doubles bitcoin crypto xe gemini exchange integration revealed xe xa  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 would like earn living bitcoin could among millions people gain fro xe xa  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 also listen episode podcast channels nanchor  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 much anime bitcoin  
 Sentiment(polarity=0.2, subjectivity=0.2)  
 Positive  
 give someone retweets tweet within next hours must following amp xe xa  
 Sentiment(polarity=0.0, subjectivity=0.05)  
 Neutral  
 right total overall marketcap kinda low bitcoin dominance high bitcoin sta xe xa  
 Sentiment(polarity=0.08914285714285715, subjectivity=0.4251428571428571)  
 Positive  
 btc nwhat kept price right dollar bullzooka xf xa btc bitcoin  
 Sentiment(polarity=0.2857142857142857, subjectivity=0.5357142857142857)  
 Positive  
 breaking gemini pa ners samsung allow samsung sma phone users buy  
 cryptocurrenices blockchain wallets bitcoin  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 one person ends hours qualify retweet follow amp  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 grayscale bitcoin trust bought bitcoins since halving nonly bitcoins mined since  
 halving xe xa  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 xf xa hello bitcoin whales one charlie half bitcoin give bitcoin xe xa  
 Sentiment(polarity=-0.16666666666666666, subjectivity=0.16666666666666666)  
 Negative  
 introducing txt find files bitcoin  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 xe send one person minutes retweets amp likes follows amp  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral

cryptocurrency bitcoin nvery good project  
Sentiment(polarity=0.7, subjectivity=0.6000000000000001)  
Positive  
bitcoin bowl vs nc state front row corner end zone  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
happen real bitcoin one scales shubsv  
Sentiment(polarity=0.2, subjectivity=0.30000000000000004)  
Positive  
btc usd npositional update nopening tiny long account front running daily close  
neverything looks xe xa  
Sentiment(polarity=-0.016666666666666666, subjectivity=0.3)  
Negative  
send bitcoin someone retweets following guy uk within hrs  
Sentiment(polarity=0.0, subjectivity=0.1)  
Neutral  
godfather leave fiat xf xb take bitcoin much better deal  
Sentiment(polarity=0.5, subjectivity=0.5)  
Positive  
would like earn living bitcoin could among millions xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
hotels hate airbnb ntaxi drivers hate uber nnokia hates apple nbanks hate  
bitcoin nlosers hate winners  
Sentiment(polarity=-0.8, subjectivity=0.9)  
Negative  
btc nwhat kept price right dollar bullzooka xf xa btc bitcoin  
Sentiment(polarity=0.2857142857142857, subjectivity=0.5357142857142857)  
Positive  
bitcoin replace gold crypto data analytics company ceo says  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
goldman sachs slammed bitcoin gold investor call crypto community makes known  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
people selling bitcoin xe march buying today  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
mit degree verified bitcoin blockchain done without token  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
bitcoin live stream guys watch cha play live overnight bottom left cha xe xa  
Sentiment(polarity=0.0909090909090909, subjectivity=0.3333333333333333)  
Positive  
price breaks umbrella bitcoin  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
altcoins competing marketing teams dedicated taking bitcoin

Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
bitcoin matters built  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
bitcoin core developers economic ignoramus many state evidences  
Sentiment(polarity=0.35, subjectivity=0.35)  
Positive  
prepared spanish flu returned fall corona reappears fascist fauci shut  
everything includin xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
reasons bitcoin price prepared explode towards  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
xe confused though xe bitcoin pull alts oceans swayed different xf xb xe xe xa  
xef xb  
Sentiment(polarity=-0.2, subjectivity=0.6499999999999999)  
Negative  
bitcoin live stream guys watch cha play live overnight bottom left ch xe xa  
Sentiment(polarity=0.0909090909090909, subjectivity=0.3333333333333333)  
Positive  
guy go theif hin papa bitcoin nwe still dey dere mumsy dey beg papa oo thematter  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
know one wants hear xe cbitcoin fixes xe times chaos fixing money fact fix  
society sel xe xa  
Sentiment(polarity=0.2, subjectivity=0.1)  
Positive  
trends shows wall street bitcoin buying frenzy bitcoin btc btc  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
decisive last minutes could predict next bull run bitcoin nstaying key  
Sentiment(polarity=0.0, subjectivity=0.3555555555555557)  
Neutral  
trading headlines gold rose audusd rose pips wti crude oil rose eurUSD rose pips  
xe xa  
Sentiment(polarity=0.34, subjectivity=0.96)  
Positive  
little recap amazing bitcoin pizza day pa last week xf ntogether crypto xe xa  
Sentiment(polarity=0.13750000000000004, subjectivity=0.4888888888888889)  
Positive  
actually original buy bitcoin sign hand made limited edition told xe xa  
Sentiment(polarity=0.1517857142857143, subjectivity=0.4464285714285714)  
Positive  
bitcoin xe fad medium exchange criminals xe much store value stocks  
Sentiment(polarity=0.2, subjectivity=0.2)  
Positive

fiat atomic swap easy explained xf xa xf xad via nimiq oasis fintech blockchain  
blockchain xe xa  
Sentiment(polarity=0.4333333333333335, subjectivity=0.8333333333333334)  
Positive  
receive free bat tokens extstock airdrop nsteps follow us tweet comment  
cryptocurre xe xa  
Sentiment(polarity=0.4, subjectivity=0.8)  
Positive  
wherever bitcoin goes ethereum goes xe history  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
icx targets hit profit xf xf xa nfree crypto channel join gnt npxs ont troy xe  
xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
new airdrop creekex token xf xb total receive crx tokens creekex airdrop xf xb  
tasks submit dat xe xa  
Sentiment(polarity=0.06818181818181818, subjectivity=0.6022727272727273)  
Positive  
send bitcoin someone retweets following guy uk within hrs  
Sentiment(polarity=0.0, subjectivity=0.1)  
Neutral  
goldman sachs xe cdon xe buy bitcoin xe npeople buy anyway  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
world ready new type reward ditch boomer miles bitcoin rewards xf  
Sentiment(polarity=0.16818181818181818, subjectivity=0.4772727272727273)  
Positive  
tell tarantino best movie gonna bitcoin billionaires  
Sentiment(polarity=1.0, subjectivity=0.3)  
Positive  
two key reasons bitcoin must clear sta strong increase altcoins cryptonews  
altseason  
Sentiment(polarity=0.17777777777777778, subjectivity=0.7055555555555556)  
Positive  
goldman sachs says bitcoin viable investment client po folios via  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
goldman sachs slammed bitcoin gold investor call crypto community makes known  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
bitcoin supposed problems gold need invent  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
xf world leading one stop crypto exchange xf xb xe xb buy sell manage  
cryptocurrencies minutes xe xb live customer suppo xe xa  
Sentiment(polarity=0.13636363636363635, subjectivity=0.5)  
Positive

add harkerdebby instagram add money cashapp amp paypal bitcoin legit  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral

goldman sachs still xe know make bitcoin via  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral

pomp get buy bitcoin vest waste oppo unity making history  
Sentiment(polarity=-0.2, subjectivity=0.0)  
Negative

omg bitcoin double bullish divergence xf crypto analysis ta amp btc  
cryptocurrency price news  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral

remember dgb community tweet every day want digibyte listed coinbase digibyte  
bitcoin cryptocu xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral

know braindead americans wearing masks lol patriot maga wwg wga qanon  
buildthewall xe xa  
Sentiment(polarity=0.8, subjectivity=0.7)  
Positive

goldman sachs slams bitcoin gold investor call crypto community reacts via  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral

fiat atomic swap easy explained xf xa xf xad via nimiq oasis fintech blockchain  
xe xa  
Sentiment(polarity=0.43333333333333335, subjectivity=0.8333333333333334)  
Positive

buying bitcoin xf xa xf xa xf xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral

diverse po folio cryptocurrency much easier manage manage place xe xa  
Sentiment(polarity=0.2, subjectivity=0.2)  
Positive

fixes governor mn weighing wrong side history video evidence contrary  
Sentiment(polarity=-0.5, subjectivity=0.9)  
Negative

bitcoin decentralized emergent intelligence beats centralized planning every  
time  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral

cardano easy money right ada gains lows compared btc gains lows bitcoin xe xa  
Sentiment(polarity=0.3595238095238095, subjectivity=0.6845238095238095)  
Positive

bitcoin took viagra btc rising faster  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral

bitcoingtr intro liked video would love somethin xe xa

Sentiment(polarity=0.55, subjectivity=0.7)  
Positive  
complete details video get huge commission kickback create new account mo xe xa  
Sentiment(polarity=0.212121212121215, subjectivity=0.5848484848484848)  
Positive  
welcome bitcoin  
Sentiment(polarity=0.8, subjectivity=0.9)  
Positive  
official mit degree verified bitcoin blockchain  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
small towns xe know xe infected xe ntheatlantic news noticia bitcoin  
cryptocurrency xe xa  
Sentiment(polarity=-0.25, subjectivity=0.4)  
Negative  
fund beat crash buying argonaut ab nthismoney news noticia bitcoin cryptocurr  
xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
love ya lots ya kno xf xbd  
Sentiment(polarity=0.5, subjectivity=0.6)  
Positive  
bitcoin bullish boys xf  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
enough bitcoin  
Sentiment(polarity=0.0, subjectivity=0.5)  
Neutral  
also listen episode podcast channels nanchor xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
goldman sachs admits guilt jho lo mdb scandal laundered pays one largest fines  
ever nalso gold xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
pretty much although massive currency issuance govt central banks making bitcoin  
internet investsma xe xa  
Sentiment(polarity=0.1125, subjectivity=0.6125)  
Positive  
official even buy bitcoin dollars pop  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
took mostly sentiment ms showing new hls hhs hourly lot internal dialogue xe xa  
Sentiment(polarity=0.212121212121213, subjectivity=0.3181818181818182)  
Positive  
pays interact tweet find claim bitcoin visiting sats likes https xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral

add harkerdebby instagram add money cashapp amp pay xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral

point decentralization censorship resistance security lightning peer xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral

tomorrow bitcoin futures may expiry might get volatile  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral

lack knowledge ask specific questions xf final goal understand every pa xe xa  
Sentiment(polarity=0.0, subjectivity=0.5625)  
Neutral

remove state people rise build better world ngovernance governments inherently  
waste resourc xe xa  
Sentiment(polarity=0.15, subjectivity=0.25)  
Positive

sho dated bitcoin options call surge btctradingview news social tradingview  
Sentiment(polarity=0.03333333333333333, subjectivity=0.06666666666666667)  
Positive

see freelancers getting paid setup btcpayserver build stuff consulting make xe  
xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral

vc fund dedicated making investments bitcoin ecosystem nif drastically unders xe  
xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral

least bitcoin bet drugs xf xbb xf xb xf xad xf xbf  
Sentiment(polarity=-0.3, subjectivity=0.4)  
Negative

motivating get shape bitcoin  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral

bitcoin continues defy bears  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral

year btc trading price stable xe moved years nyou xe bar overhear two frie xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral

hamburger day celebrating altcoin fomo nwhich one eating xf bitcoin max xf eth  
stake xf xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral

bitcoingtr intro liked video would love somet xe xa  
Sentiment(polarity=0.55, subjectivity=0.7)  
Positive

people need get much bitcoin possible like would cash  
Sentiment(polarity=0.1, subjectivity=0.6)



Positive  
electrum needed  
Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
know one wants hear xe cbitcoin fixes xe times chaos fixing money fact fix  
society sel xe xa  
Sentiment(polarity=0.2, subjectivity=0.1)

Positive  
xe going give someone random retweets tweet xe bi hday feel like nice xe xba xef  
xb xe xa  
Sentiment(polarity=0.04999999999999999, subjectivity=0.75)

Positive  
world rides end fiat currency system cryptocurrency represents key new fair  
global xe xa  
Sentiment(polarity=0.20909090909090908, subjectivity=0.5886363636363636)

Positive  
bitcoin weekly looks super bullish post cha morrow  
Sentiment(polarity=0.3333333333333333, subjectivity=0.6666666666666666)

Positive  
year btc trading price stable xe moved years nyoun xe bar overhear two frie xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
reason teaching nbitcoin blockchain revolutionize financial system ncas xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
fool xf xf xa ask goldman sachs bitcoin xf xa ask hotel airbnb xf ask taxi  
driver xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
bullish picture xe want see another descending triangle form bitcoin know btc  
loves xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
one even bitcoin wallet xf  
Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
bitcoin replace gold crypto data analytics company ceo xc xa says  
Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
seems people forgetting impo ant bitcoin bitcoin spent less entire life xe xa  
Sentiment(polarity=-0.08888888888888889, subjectivity=0.2638888888888889)

Negative  
send bitcoin someone retweets following guy uk within hrs  
Sentiment(polarity=0.0, subjectivity=0.1)

Neutral  
breaking would confirm macro trend reversal nthe first weekly higher high since  
bitcoin hit ath late xe xa  
Sentiment(polarity=0.09000000000000001, subjectivity=0.4933333333333333)

Positive  
 bitcoin price wait update xf xa xf xa  
 Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
 careful alt coin ocean rn chonch bitcoin sending upward might take alts xe xa  
 Sentiment(polarity=-0.1, subjectivity=1.0)

Negative  
 best feeling life giving someone suffering  
 Sentiment(polarity=1.0, subjectivity=0.3)

Positive  
 market buying bitcoin fixes  
 Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
 trading headlines gold rose audusd rose pips wti crude oil rose eurUSD rose pip  
 xe xa  
 Sentiment(polarity=0.34, subjectivity=0.96)

Positive  
 known bitcoin would definitely invested bitcoin  
 Sentiment(polarity=0.0, subjectivity=0.5)

Neutral  
 position tell anyone bitcoin st launched cents single coin becau xe xa  
 Sentiment(polarity=-0.07142857142857142, subjectivity=0.21428571428571427)

Negative  
 bitcoin took viagra btc rising faster  
 Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
 breaking would confirm macro trend reversal nthe first weekly higher high since  
 bitcoin hit ath late xe xa  
 Sentiment(polarity=0.09000000000000001, subjectivity=0.4933333333333333)

Positive  
 airdropping xf xb svc xf xb svc ref easy steps xf ejoin telegram xf xa follow xe  
 xa  
 Sentiment(polarity=0.43333333333333335, subjectivity=0.8333333333333334)

Positive  
 bitcoin dominance nis harsh rejection bitcoin dominance sta altszn xf xa alts  
 altcoins xe xa  
 Sentiment(polarity=-0.2, subjectivity=0.7)

Negative  
 goldman sachs billion bitcoin sent currency exchanges criminal entities nfun  
 fact gold xe xa  
 Sentiment(polarity=-0.4, subjectivity=0.55)

Negative  
 china still safe place business finance money business investing investment xe  
 xa  
 Sentiment(polarity=0.5, subjectivity=0.5)

Positive  
 send bitcoin someone retweets following guy uk within hrs  
 Sentiment(polarity=0.0, subjectivity=0.1)

Neutral  
day goldman sachs says buy bitcoin bitcoin xf xa  
Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
thinking investing xf xa nwe xe xf xbc xe digital assets like bitcoin gold xe  
xef xb xe intui xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
enough bitcoin  
Sentiment(polarity=0.0, subjectivity=0.5)

Neutral  
specially btc pumps everything pump alts pump harder  
Sentiment(polarity=0.12857142857142856, subjectivity=0.2857142857142857)

Positive  
according nvca saw billion invested across deals fy saw billion invested ac xe  
xa  
Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
one xf xac bitcoin  
Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
breaking would confirm macro trend reversal nthe first weekly higher high since  
bitcoin hit ath late xe xa  
Sentiment(polarity=0.09000000000000001, subjectivity=0.4933333333333333)

Positive  
goldman sachs recommend bitcoin strategic tactical basis clients xe investment  
po folios ngoo xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
time sell bitcoin  
Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
really want banks owning lions share bitcoin  
Sentiment(polarity=0.2, subjectivity=0.2)

Positive  
bitcoin fix money less efficient system currently  
Sentiment(polarity=-0.08333333333333333, subjectivity=0.23333333333333334)

Negative  
goldman sachs loves bitcoin much tell clients buy buy includes xe xa  
Sentiment(polarity=0.2, subjectivity=0.2)

Positive  
bitcoin decentralized emergent intelligence beats centralized planning every  
time  
Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
xe cwe dialing positive outlook xe stocks says jpmorgan xe na delayed reopening  
ec xe xa  
Sentiment(polarity=0.22727272727272727, subjectivity=0.5454545454545454)

Positive  
 xf prices update usd hour btc eth xrp xe xa  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 send bitcoin someone retweets following guy uk within hrs  
 Sentiment(polarity=0.0, subjectivity=0.1)  
 Neutral  
 hey goldman sachs riddle xf nif bitcoin xe money store value asset class like  
 prope xe xa  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 xe personally looking sho bitcoin xrp running meantime  
 Sentiment(polarity=0.0, subjectivity=0.3)  
 Neutral  
 bitcoin mining earn satoshi per day free xe waste time register free pa xe xa  
 Sentiment(polarity=0.20000000000000004, subjectivity=0.5333333333333333)  
 Positive  
 wtf smoking schumer  
 Sentiment(polarity=-0.5, subjectivity=1.0)  
 Negative  
 send bitcoin someone retweets following guy uk within hrs  
 Sentiment(polarity=0.0, subjectivity=0.1)  
 Neutral  
 official mit degree verified bitcoin blockchain cryptocurrency bitcoin  
 blockchain  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 buying bitcoin xf xa xf xa xf xa  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 bitcoin derivatives sheet tweet every minutes  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 breaking would confirm macro trend reversal nthe first weekly higher high since  
 bitcoin hit ath late xe xa  
 Sentiment(polarity=0.09000000000000001, subjectivity=0.4933333333333333)  
 Positive  
 reason fascination wildly misunderstood sector bitcoin  
 Sentiment(polarity=0.1, subjectivity=0.4)  
 Positive  
 one buddy recently got bitcoin getting masters finance every morning sends  
 opinion upd xe xa  
 Sentiment(polarity=0.0, subjectivity=0.25)  
 Neutral  
 many people say bitcoin real money sell products services bitcoin time nand lot  
 peop xe xa  
 Sentiment(polarity=0.35, subjectivity=0.4)  
 Positive

usdmxn targets hit xf xa xf xa nfor free signals join btc usoil eurcad forex fx  
 xe xa  
 Sentiment(polarity=0.4, subjectivity=0.8)  
 Positive  
 love bitcoin aside nonsense goldmansachs spewing  
 Sentiment(polarity=0.5, subjectivity=0.6)  
 Positive  
 feeling like owning bitcoin high financial risk xf ni xe xa  
 Sentiment(polarity=0.08, subjectivity=0.26999999999999996)  
 Positive  
 enough bitcoin  
 Sentiment(polarity=0.0, subjectivity=0.5)  
 Neutral  
 digital assets data ceo said btc could take role gold repo  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 bitcoin xe need goldman sachs goldman sachs going need bitcoin  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 hope get shaken bitcoin still dead  
 Sentiment(polarity=-0.2, subjectivity=0.4)  
 Negative  
 hbar nexited loss xf xb work today forgot set stop loss xf xa xa nmoved funds  
 coti cha wil xe xa  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 promise bitcoin outcompeting everything become single money everyone speak sam  
 xe xa  
 Sentiment(polarity=-0.07142857142857142, subjectivity=0.21428571428571427)  
 Negative  
 enough bitcoin go around understand  
 Sentiment(polarity=0.0, subjectivity=0.5)  
 Neutral  
 tzz bitcoin people please tired shame hard tell follow xf xad xf xad xf  
 Sentiment(polarity=-0.3458333333333333, subjectivity=0.6208333333333333)  
 Negative  
 help people earn daily pay profit receive profit ask xe xa  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 hit bitcoin bands xf xf thanks bitch  
 Sentiment(polarity=0.2, subjectivity=0.2)  
 Positive  
 egypt sho xf xf  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 coincidentally noticed lot intense regulation regarding cryptos across europe  
 either france germany th xe xa  
 Sentiment(polarity=0.2, subjectivity=1.0)

Positive

would nice see power slam market simultaneous breakout bitcoin btc would sublime  
xe xa

Sentiment(polarity=0.6, subjectivity=1.0)

Positive

many people say bitcoin real money sell products services bitcoin time nand lot  
peop xe xa

Sentiment(polarity=0.35, subjectivity=0.4)

Positive

deflation inflation unleash bitcoin xc xa prices

Sentiment(polarity=0.0, subjectivity=0.0)

Neutral

jpmorgan pay million settle lawsuit overcharging crypto fees bitcoin news

Sentiment(polarity=0.0, subjectivity=0.0)

Neutral

buy rental xe cwhat renters xe pay rent nsta investing xe cwhat company goes  
bankrupt xe nsta busi xe xa

Sentiment(polarity=0.0, subjectivity=0.0)

Neutral

eth nlooks like might break daily resistance next stop ethereum eth xe xa

Sentiment(polarity=0.0, subjectivity=0.0)

Neutral

help people earn daily pay profit receive profit ask xe xa

Sentiment(polarity=0.0, subjectivity=0.0)

Neutral

info put historic bitcoin revenue various neonazis white supremacists following  
graph xe fin xe xa

Sentiment(polarity=0.0, subjectivity=0.15)

Neutral

strong work family strongest secure digital asset planet dcr

Sentiment(polarity=0.2777777777777773, subjectivity=0.4444444444444444)

Positive

bitcoin giving

Sentiment(polarity=0.0, subjectivity=0.0)

Neutral

better buy bitcoin eu call another trillion dreams hopes houses apa ments  
anything savi xe xa

Sentiment(polarity=0.5, subjectivity=0.5)

Positive

latest tfpodcast streaming discussing took place xe financial institutions vs  
bitcoin amp crypto xe xa

Sentiment(polarity=0.25, subjectivity=0.45)

Positive

grayscale cash app buy bitcoin mined day xe xe xa

Sentiment(polarity=0.0, subjectivity=0.0)

Neutral

blockchain bites iran russia revisit crypto regulations bitcoin pizza day years  
later xe coindesk nread mo xe xa

Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
luke jr mb blocks tb blockchain year would mean gb year xe xa  
Sentiment(polarity=-0.3125, subjectivity=0.6875)  
Negative  
sending sell buy signals friends recycling money bitcoin oxt xf bitcoin btc oxt  
oxt  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
hit bitcoin bands xf xf thanks bitch  
Sentiment(polarity=0.2, subjectivity=0.2)  
Positive  
easiest sho life look bitcoin lost got bag though scalp  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
past weeks btc continues rush exchanges usdt stopped dancing tandem usdt btc xe  
xa  
Sentiment(polarity=-0.25, subjectivity=0.25)  
Negative  
shower thought owning firearm like running bitcoin full node makes pa  
decentralized defense network  
Sentiment(polarity=0.35, subjectivity=0.55)  
Positive  
help people earn daily pay profit receive profit ask xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
omg bitcoin double bullish divergence xf crypto analysis ta amp btc via  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
one day later  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
blockchain enables us create decentralized social media platforms longer  
dependent central profit xe xa  
Sentiment(polarity=0.016666666666666666, subjectivity=0.15833333333333333)  
Positive  
instead buying lotto tickets invest bitcoin  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
bitcoin goldmansachs forget  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
people enter xe ccrypto xe space heard bitcoin xe late randomly decide next  
bitcoin bu xe xa  
Sentiment(polarity=-0.26666666666666666, subjectivity=0.36666666666666667)  
Negative  
btc long long positions take loan sell kids something parabolic coming xf  
bitcoin

Sentiment(polarity=-0.05, subjectivity=0.4)  
 Negative  
 huge thanks generous donation bch bitcoin unlimited xf nthese funds used xe xa  
 Sentiment(polarity=0.30000000000000004, subjectivity=0.55)  
 Positive  
 live periscope latest tfpodcast streaming discussing took place xe financial  
 insti xe xa  
 Sentiment(polarity=0.21212121212121213, subjectivity=0.46666666666666666)  
 Positive  
 bitcoin giveaway follow amp retweet tag friend ends hours  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 vob bitcoin antifragile presentation na weeks ago gave attached presentation see  
 nthe post vob xe xa  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 fiduciaries listen become negligence bitcoin xe xa  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 day goldman sachs says buy bitcoin bitcoin xf xa  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 digital assets data ceo said btc could take role gold repo  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 case feeling fud digibye gain year usd bitcoin  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 xe replicate anything bitcoin biggest true decentralization  
 Sentiment(polarity=0.35, subjectivity=0.65)  
 Positive  
 hamburger day celebrating altcoin fomo nwhich one eating xf bitcoin max xf eth  
 stake xf xe xa  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 ehx dxy uptrend ever since btc existence speaks innate strength bit xe xa  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 bitcoin goes back one day  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 openra open cross platform expandable implementation command amp conquer ai ml  
 xe xa  
 Sentiment(polarity=0.0, subjectivity=0.25)  
 Neutral  
 goldman releases anti crypto repo price btc goes eth goes nrussia claims ban  
 bitcoi xe xa  
 Sentiment(polarity=0.0, subjectivity=0.0)



Neutral

think one want invest bitcoin still abuja trying settle matter baba gree

Sentiment(polarity=0.0, subjectivity=0.0)

Neutral

know one wants hear xe cbitcoin fixes xe times chaos fixing money fact fix

society sel xe xa

Sentiment(polarity=0.2, subjectivity=0.1)

Positive

damn good piece incisive skip commentary goldman sachs vs bitcoin read one jill

xe xa

Sentiment(polarity=0.7, subjectivity=0.6000000000000001)

Positive

bitcoin newprofilepic

Sentiment(polarity=0.0, subjectivity=0.0)

Neutral

many problems teeth ai ml news tech bitcoin ethereum crypto xe xa

Sentiment(polarity=0.5, subjectivity=0.5)

Positive

bitcoin giveaway follow amp retweet tag friend ends hours

Sentiment(polarity=0.0, subjectivity=0.0)

Neutral

see freelancers getting paid setup btcpayserver build stuff consulting make xe

xa

Sentiment(polarity=0.0, subjectivity=0.0)

Neutral

help magic money friends crypto cryptocurrency bitcoin fb

Sentiment(polarity=0.5, subjectivity=1.0)

Positive

wishes ada right ada cardano crypto bitcoin eth ethereum minneapolisriots btc xe

xa

Sentiment(polarity=0.2857142857142857, subjectivity=0.5357142857142857)

Positive

next february february bitcoin touch spark booming

Sentiment(polarity=0.0, subjectivity=0.0)

Neutral

really enjoyed time interested learning mentioned

Sentiment(polarity=0.375, subjectivity=0.6)

Positive

bitcoin subjected unprecedented turbulence throughout past months declining lows

xe xa

Sentiment(polarity=0.175, subjectivity=0.575)

Positive

kava confirm golden cross favorite time frame alts cha shows historical

volatility xe xa

Sentiment(polarity=0.2, subjectivity=0.375)

Positive

vc fund dedicated making investments bitcoin ecosystem nif drastical xe xa

Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
sell everything stack bitcoin  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
crypto gurus pocket billions wh xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
ferris  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
longing whatever dip bitcoin gives new daily seems like brainer ish  
Sentiment(polarity=0.06818181818181818, subjectivity=0.22727272727272727)  
Positive  
bitcoin btc  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
bitcoin daily candle closing soon bias going daily close  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
daily profit hodling btc since data taken since utc updated every hour bitcoin  
xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
goldman sachs slammed bitcoin gold investor call crypto community makes known  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
bitcoin price surging right sure xe related news needs break resistance area let  
xe go  
Sentiment(polarity=0.2619047619047619, subjectivity=0.6082010582010581)  
Positive  
click see hour bitcoin price prediction pynk beta xf comment tell prediction xf  
xa xa xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
mit degree verified bitcoin blockchain done without token  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
finally received personal nodl bitcoin assistant morning xf xa xf xbb xe xf xbb  
xf xa xf thanks ultra special extr xe xa  
Sentiment(polarity=0.1392857142857143, subjectivity=0.5178571428571428)  
Positive  
week bitcoin cash xf xf xbb xe xe xef xb  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
easily provable interesting game theoretic consideration xe cia created bit xe  
xa  
Sentiment(polarity=0.17777777777777778, subjectivity=0.5777777777777778)  
Positive

bitcoin happening barrier much  
 Sentiment(polarity=0.2, subjectivity=0.2)  
 Positive  
 goldman releases anti crypto repo price btc goes eth goes nrussia claims ban  
 bitcoi xe xa  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 crypto see ada today ada cardano crypto bitcoin eth ethereum minneapolisriots  
 btc blockchain xe xa  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 central banking tyrannical financial system drives centralization power xe  
 monetary socialism bitc xe xa  
 Sentiment(polarity=0.0, subjectivity=0.125)  
 Neutral  
 mine bitcoin  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 day goldman sachs says buy bitcoin bitcoin xf xa  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 currency percent via lt new vi ual currency actually cat xe xa  
 Sentiment(polarity=0.06818181818181818, subjectivity=0.2772727272727273)  
 Positive  
 whales btc piss lot bears xf xbb ndisbelief settle ct nimo looking bullish af  
 coupled histori xe xa  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 conclusion asse market cap erc surpassing eth mean gam xe xa  
 Sentiment(polarity=-0.3125, subjectivity=0.6875)  
 Negative  
 would agree nif bitcoin xc xa gold dgb diamond xf digibyte  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 bitcoin bullish boys xf  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 hello sent bitcoin btc address cash app pm xe got confirmations bl xe xa  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 passed subscribers xe xa xef xb bitcoin giveaways free vip packages reach thank  
 al xe xa  
 Sentiment(polarity=0.4, subjectivity=0.8)  
 Positive  
 bitcoin care xf  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 way stop bitcoin spammers peter wall comment bitcoin doe xe xa

Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
xf xa huobi bounty time nwhat could xf xb bitcoin ntake challenges find xe xac  
xef xb fno pain gain xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
hit bitcoin bands xf xf thanks bitch  
Sentiment(polarity=0.2, subjectivity=0.2)  
Positive  
earn lot profits today investing crypto currency bitcoin minimum bronze package  
would xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
bitcoin stimulus check xf xa xb xf free make sure retweet like tweet make sure  
subscriber xe xa  
Sentiment(polarity=0.4666666666666666, subjectivity=0.8592592592592592)  
Positive  
earn ethereum simple tasks freecrypto giveaway airdrop freetoken crypto bit xe  
xa  
Sentiment(polarity=0.0, subjectivity=0.35714285714285715)  
Neutral  
latest tfpodcast streaming discussing took place xe financial institutions vs  
bitcoin amp crypto xe xa  
Sentiment(polarity=0.25, subjectivity=0.45)  
Positive  
think right stelster eth liammcd  
Sentiment(polarity=0.2857142857142857, subjectivity=0.5357142857142857)  
Positive  
like bitcoin reasons goldman sachs  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
bitcoin sta ing morning strong looking like wants pump today nnot much volume  
recent rejecti xe xa  
Sentiment(polarity=0.20833333333333331, subjectivity=0.3208333333333333)  
Positive  
etn reached sats another great performing day awesome icles repo coming xe xa  
Sentiment(polarity=0.9, subjectivity=0.875)  
Positive  
work progress bitcoin bitcoina  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
buying bitcoin  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
goldman sachs saying buy bitcoin like exxon mobil telling people buy tesla gs  
tsla btc xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral

xf xb uk lockdown profound effect bitcoin purchases says xf xb data collected  
 crypto trading xe xa  
 Sentiment(polarity=0.08333333333333333, subjectivity=1.0)  
 Positive  
 bitcoin suisse users trade gold bitcoin ethereum  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 bitcoin changed life  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 slotocash casino new free spins coupon players first deposit bonus code xe xa  
 Sentiment(polarity=0.262121212121214, subjectivity=0.5292929292929293)  
 Positive  
 latest tfpodcast streaming discussing took place xe financial institutions vs  
 bitcoin amp crypto xe xa  
 Sentiment(polarity=0.25, subjectivity=0.45)  
 Positive  
 yr old son asked tornado versus bitcoin would win depth conversation decentr xe  
 xa  
 Sentiment(polarity=0.45, subjectivity=0.30000000000000004)  
 Positive  
 see freelancers getting paid setup btcpayserver build stuff consulting xe xa  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 let forget bitcoin sho age wallstreet crypto bitcoinsho age  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 soon people rioting us sta wearing bitcoin shi bull market raiding continues  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 commission kickback link nand share commission link someone interested ndo want  
 xe xa  
 Sentiment(polarity=0.25, subjectivity=0.5)  
 Positive  
 high ada pump ada cardano crypto bitcoin eth ethereum minneapolisriots btc  
 blockchain eos xe xa  
 Sentiment(polarity=0.16, subjectivity=0.5399999999999999)  
 Positive  
 xe know bitcoin giving feeling xe like rampant bull xe xa  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 anyone tell xmc exists something xmr monero cryptocurrency bitcoin  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 spacetravel mac token hodl buyback live ending less two days xe xa  
 Sentiment(polarity=-0.0151515151515152, subjectivity=0.2833333333333333)  
 Negative  
 year btc trading price stable xe moved years nyou xe bar overhear two frie xe xa

Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
depends characteristics ethereum bitcoin zcash chain link example would  
different cases  
Sentiment(polarity=0.0, subjectivity=0.6)  
Neutral  
bill exemplary human kind  
Sentiment(polarity=0.3, subjectivity=0.5)  
Positive  
bitcoin twitter nhelp persuade noble debate hypothesis cia xe xa  
Sentiment(polarity=0.6, subjectivity=0.9)  
Positive  
spouse thinking nme wondering jetsons tv show still use paper money even flying  
xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
surprised either see million tether issuance  
Sentiment(polarity=0.1, subjectivity=0.9)  
Positive  
like ncv economy crisis printer working time riots lockdown nand bitcoin like  
nno fks xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
bitcoin replace gold crypto data analytics company ceo says could bitcoin world  
digital gold repla xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
buy bitcoin mop  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
xf ama news think current focus definitely staking general update xe xa  
Sentiment(polarity=0.016666666666666673, subjectivity=0.46666666666666666)  
Positive  
show hn opinionated markdown html tutorial publisher ai ml news tech bitcoin xe  
xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
live streaming discusses took place financial institutions xe xa  
Sentiment(polarity=0.06818181818181818, subjectivity=0.25)  
Positive  
latest tfpodcast streaming discussing took place xe financial institutions vs  
bitcoin amp crypto xe xa  
Sentiment(polarity=0.25, subjectivity=0.45)  
Positive  
whenever price pumps premium increases means majority still trying sho exactly  
xe xa  
Sentiment(polarity=0.25, subjectivity=0.25)  
Positive

bitcoin taking hour send xf xa xb digibyte solves xf  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral

stable money impo ant regular folks nthe fed go print billion bitcoin xe xa  
Sentiment(polarity=0.0, subjectivity=0.07692307692307693)  
Neutral

crypto like bitcoin unlike mcm anonymous satoshi eth ada known founder russia  
actually xe xa  
Sentiment(polarity=0.0, subjectivity=0.1)  
Neutral

goldman sachs presentation titled cryptocurrencies including bitcoin asset class  
nhere xe xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral

bitcoin history know nsatoshidice one earliest bitcoin gambling website sold btc  
xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral

commission kickback link nand share commission link someone interested ndo want  
xe xa  
Sentiment(polarity=0.25, subjectivity=0.5)  
Positive

believe xe general computation bitcoin style verifiability  
Sentiment(polarity=0.050000000000000002, subjectivity=0.5)  
Positive

today video compare two video platforms sta ing new channel look vibravid amp  
youtube one xe xa  
Sentiment(polarity=0.13636363636363635, subjectivity=0.45454545454545453)  
Positive

bitcoin joke joke think money way volatile mark blyth nmaybe th xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral

xf new bitcoin defi bridge cross minutes show id dad sta btc ends wi xe xa  
Sentiment(polarity=0.06818181818181818, subjectivity=0.22727272727272727)  
Positive

bitcoin community plagued bullying immaturity feel like asshole think xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral

new airdrop creekex token xf xb total receive crx tokens creekex airdrop xf xb  
tasks submit dat xe xa  
Sentiment(polarity=0.06818181818181818, subjectivity=0.6022727272727273)  
Positive

spotify streamed track day country ai ml news tech bitcoin ethereum xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral

trends shows wall street bitcoin buying frenzy  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral

divi podcast episode live soundcloud grab seat listen ceo heder hashgraph  
colleague ta xe xa  
Sentiment(polarity=0.13636363636363635, subjectivity=0.5)  
Positive  
xe watching donations roll xe floored humbled stunned thank love notes xe  
reading rig xe xa  
Sentiment(polarity=0.5, subjectivity=0.6)  
Positive  
goldman sachs bitcoin goldman make money transactions create bitcoin xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
looks like bitcoin creating broadening descending wedge targets next nlearn  
patterns xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
xf btc usd intraday nas long suppo look xf alternative scenario nthe downside  
breakout would xe xa  
Sentiment(polarity=-0.05, subjectivity=0.4)  
Negative  
bitcoin continue move towards daily highs nhowever always look price retest  
breakout xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
heimer everyone owning bitcoin hedging xf  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
price went way immediately entry looks solidly nmoved stop breakeven zero ris xe  
xa  
Sentiment(polarity=0.0, subjectivity=0.1)  
Neutral  
market still sideways xf xb  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
belgium xf xa xf xaa nnot mucho bitcoin per citizen btc nbut mucho satoshi  
satoshi btc xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
many facts pointing adam back satoshi bitcoin bitcoincash bitcoincore xe xa  
Sentiment(polarity=0.25, subjectivity=0.25)  
Positive  
also people need use bitcoin bitcoin xe get lost government incompetence  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
next block fee rate sat vbyte nhalf hour fee rate sat vbyte nhour fee rate sat  
vbyte nyou broadcast xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
luke jr sit many years use segwit style addresses preferable high traffic xe xa



Sentiment(polarity=0.33, subjectivity=0.52)  
Positive  
luke jr much reddit anymore since anti evil team actively helping child sex trafficking  
Sentiment(polarity=-0.3111111111111111, subjectivity=0.6)  
Negative  
trump signs executive order targeting protections social media companies ai ml news xe xa  
Sentiment(polarity=0.03333333333333333, subjectivity=0.06666666666666667)  
Positive  
institutional fomo begins one firms buys new bitcoin supply  
Sentiment(polarity=0.13636363636363635, subjectivity=0.45454545454545453)  
Positive  
billionaire seeks safety bitcoin gentlemen  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
done xf  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
see bitcoin never see bitcoin nif see bitcoin ne xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
bitcoin getting interesting rn rsi creeping overbought territory low break retest xe xa hkbwke  
Sentiment(polarity=0.25, subjectivity=0.4)  
Positive  
hbar nexited loss xf xb work today forgot set stop loss xf xa xa nmoved funds coti xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
one person ends hours qualify retweet follow amp  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
latest tfpodcast streaming discussing took place xe financial institutions vs bitcoin amp crypto xe xa  
Sentiment(polarity=0.25, subjectivity=0.45)  
Positive  
bitcoin billionaires next xf xf xbd  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
legit want bitcoin amazon money im legit tryna drain shit friday  
Sentiment(polarity=-0.2, subjectivity=0.8)  
Negative  
bitcoin billionaires next xf xf xbd  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
bitcoin mining break moment institutional investors understand energy business  
Sentiment(polarity=0.0, subjectivity=0.0)

Neutral

vet pushing today retest htf xf xa diagonal resistance previous tweet thread target xe xa

Sentiment(polarity=-0.16666666666666666, subjectivity=0.16666666666666666)

Negative

goldman sachs slammed bitcoin gold investor call crypto community makes known

Sentiment(polarity=0.0, subjectivity=0.0)

Neutral

say buy gold silver amp bitcoin trust fed treasury wall street game rigg xe xa

Sentiment(polarity=-0.4, subjectivity=0.4)

Negative

bad news cashless society becoming reality ngood news bitcoin

Sentiment(polarity=-0.12499999999999992, subjectivity=0.7583333333333333)

Negative

many people say bitcoin real money sell products services bitcoin time nand lot peop xe xa

Sentiment(polarity=0.35, subjectivity=0.4)

Positive

receive free bat tokens extstock airdrop nsteps follow us tweet comment cryptocurre xe xa

Sentiment(polarity=0.4, subjectivity=0.8)

Positive

get celebrate bitcoin pizza day eat least two full pies xe four twelve planeta xe xa

Sentiment(polarity=0.024999999999999994, subjectivity=0.47500000000000003)

Positive

aion target hit profit xf xa xf xa nfree crypto channel join btc nxt lsk waves rep xe xa

Sentiment(polarity=0.0, subjectivity=0.0)

Neutral

cha proves spanish schedules downright weird ai ml news tech xe xa

Sentiment(polarity=-0.06666666666666667, subjectivity=0.3333333333333333)

Negative

tell tarantino best movie gonna bitcoin billionaires

Sentiment(polarity=1.0, subjectivity=0.3)

Positive

bitcoin stimulus check xf xa xb xf free make sure retweet like tweet make sure subscriber xe xa

Sentiment(polarity=0.46666666666666666, subjectivity=0.8592592592592592)

Positive

bitcoin people please tired shame hard tell follow xf xad xf xad xf

Sentiment(polarity=-0.34583333333333333, subjectivity=0.6208333333333333)

Negative

last days grayscale bitcoin trust bought bitcoin nthat xe usd days xe xa

Sentiment(polarity=0.0, subjectivity=0.06666666666666667)

Neutral

latest tfpodcast streaming discussing took place xe financial institutions vs bitcoin amp crypto xe xa

Sentiment(polarity=0.25, subjectivity=0.45)  
Positive  
bitcoin history know nsatoshidice one earliest bitcoin gambling website sold xe  
xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
btc nwhat makes macro bearish bullish cha bearish bullish bitcoin  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
live streaming discusses took place financial insti xe xa  
Sentiment(polarity=0.068181818181818, subjectivity=0.25)  
Positive  
bitcoin bullish boys xf  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
trends shows wall street bitcoin buying frenzy btc  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
look platform bias bitcoin nice icon doge cute doggie icon xf  
Sentiment(polarity=0.55, subjectivity=1.0)  
Positive  
latest tfpodcast streaming discussing took place xe financial institutions vs  
bitcoin amp crypto xe xa  
Sentiment(polarity=0.25, subjectivity=0.45)  
Positive  
bought btc  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
sec comm peirce btc etf would price graysclale xe gbtc fairly  
Sentiment(polarity=0.3, subjectivity=0.75)  
Positive  
day goldman sachs says buy bitcoin bitcoin xf xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
bitcoin primary function store value result primary function nbitcoin fuck money  
nfor xe xa  
Sentiment(polarity=0.1333333333333333, subjectivity=0.5333333333333333)  
Positive  
sounds noble disagree fixing money fixes society bitcoin true value come xe xa  
Sentiment(polarity=0.475, subjectivity=0.775)  
Positive  
reason teaching nbitcoin blockchain revolutionize financial system ncash wo  
hless  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
market wrap sho sellers crushed number go xe ci think big rally sta think ar xe  
xa  
Sentiment(polarity=-0.05, subjectivity=0.1)

Negative

live streaming discusses took place financial insti xe xa

Sentiment(polarity=0.06818181818181818, subjectivity=0.25)

Positive

tell tarantino best movie gonna bitcoin billionaires

Sentiment(polarity=1.0, subjectivity=0.3)

Positive

bitcoin bullish boys xf

Sentiment(polarity=0.0, subjectivity=0.0)

Neutral

low time preference rule lands impatient bitcoin citadels

Sentiment(polarity=-0.1, subjectivity=0.6)

Negative

generated bitcoin paper wallet coinflipatm xf xa xb xe xe xef xb none option

impo paper wallet mob xe xa

Sentiment(polarity=0.0, subjectivity=0.0)

Neutral

cybersecurity hacker cryptocurrency ultimate guide cryptocurrency bitcoin mining

bitcoin investing bi xe xa

Sentiment(polarity=0.0, subjectivity=1.0)

Neutral

crypto goldman sachs proving know nothing bitcoin shame bitcoin btc

Sentiment(polarity=0.0, subjectivity=0.0)

Neutral

goldman thinks dollar sound inflation threat recom xe xa

Sentiment(polarity=0.4, subjectivity=0.4)

Positive

dover yc hiring third engineer build modern recruiting agency ai ml news xe xa

Sentiment(polarity=0.1, subjectivity=0.15)

Positive

day goldman sachs says buy bitcoin bitcoin xf xa

Sentiment(polarity=0.0, subjectivity=0.0)

Neutral

many people say bitcoin real money sell products services bitcoin time nand lot

peop xe xa

Sentiment(polarity=0.35, subjectivity=0.4)

Positive

oxt plenty gas left tank imo chase pumps bitcoin soon xe xa

Sentiment(polarity=0.0, subjectivity=0.0)

Neutral

fri may nUSD nWght nBlk nSize kb nTxS nPool mb bi xe xa

Sentiment(polarity=0.0, subjectivity=0.0)

Neutral

im noticing nice bitcoin consolidation bitstamp btcUSD ckk btc

Sentiment(polarity=0.6, subjectivity=1.0)

Positive

long USD still holds sway use dollar liquidity float rehypothecated bitcoin

dollar dead xe xa

Sentiment(polarity=-0.125, subjectivity=0.4)  
 Negative  
 many people say bitcoin real money sell products services bitcoin time nand lo  
 xe xa  
 Sentiment(polarity=0.35, subjectivity=0.4)  
 Positive  
 xf xa ultimate protocol nd airdrop live xf xb total reward upt xe upt xe per  
 referred xe xa  
 Sentiment(polarity=0.04545454545454545, subjectivity=0.75)  
 Positive  
 remote work hard fixed ai ml news tech bitcoin ethereum xe xa  
 Sentiment(polarity=-0.09722222222222225, subjectivity=0.3138888888888889)  
 Negative  
 long usd still holds sway use dollar liquidity float rehypothecated bitcoin  
 dolla xe xa  
 Sentiment(polarity=-0.05, subjectivity=0.4)  
 Negative  
 market wrap quick vendor liquidations assist push bitcoin past  
 Sentiment(polarity=0.04166666666666666, subjectivity=0.375)  
 Positive  
 bitcoin rises clinching april gain fifth year running  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 goldman sachs said bitcoin generate revenue like bonds guess intrigued et xe xa  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 think right stelter eth liammcd  
 Sentiment(polarity=0.2857142857142857, subjectivity=0.5357142857142857)  
 Positive  
 last chance win bitcoin giveaway cryptocurrency crypto xf xa  
 Sentiment(polarity=0.4, subjectivity=0.23333333333333334)  
 Positive  
 think altcoins game changer adoption bitcoin reason ncheck xe xa  
 Sentiment(polarity=-0.4, subjectivity=0.4)  
 Negative  
 bitcoin news roundup may chainlink enjin goldmansachs handshake markets  
 marketsdaily xe xa  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 buy bitcoin apple pay debit card using wyre api redeem  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 day goldman sachs says buy bitcoin bitcoin xf xa  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral  
 powerpc solaris rs ai ml news tech bitcoin ethereum crypto blockchain xe xa  
 Sentiment(polarity=0.0, subjectivity=0.0)  
 Neutral

current block height blocks passed since last bitcoin halving bitcoinhalving  
counter  
Sentiment(polarity=0.0, subjectivity=0.23333333333333334)  
Neutral  
xrp xrpcommunity btc bitcoin eth ltc xlm newly elected elected members fpc xe  
board directors pa xe xa  
Sentiment(polarity=0.13636363636363635, subjectivity=0.45454545454545453)  
Positive  
godfather leave fiat xf xb take bitcoin much better deal  
Sentiment(polarity=0.5, subjectivity=0.5)  
Positive  
btcusd bitcoin naaaand back  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
know someone working decent decentralized social network would probably time  
launch xe xa  
Sentiment(polarity=0.09999999999999999, subjectivity=0.36666666666666664)  
Positive  
ibmr really xe doubt holding arcc probably shatter roof soon  
Sentiment(polarity=0.2, subjectivity=0.2)  
Positive  
bitcoin giveaway follow amp retweet tag friend ends hours  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
xf xa huobi bounty time nwhat could xf xb bitcoin ntake challenges find xe xac  
xef xb fno pain gain xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
dear goldman sachs stop lying bitcoin via  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
gemin integrates samsung blockchain wallet btc bitcoin  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
goldman sachs slammed bitcoin gold investor call crypto community makes known  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
goldman sachs bitcoin goldman make money transactions create bitcoin xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
bitcoin xe care xf  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
last chance win bitcoin giveaway cryptocurrency crypto xf xa  
Sentiment(polarity=0.4, subjectivity=0.23333333333333334)  
Positive  
live periscope latest tfpodcast streaming discussing took place xe financial  
institution xe xa

Sentiment(polarity=0.212121212121213, subjectivity=0.4666666666666666)  
Positive  
high ada pump ada cardano crypto bitcoin eth ethereum minneapolisriots btc  
blockchain eos xe xa  
Sentiment(polarity=0.16, subjectivity=0.5399999999999999)  
Positive  
crypto cha bitcoin dominance yet choose direction ethereum setup would wait xe  
xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
good morning btc accumulation country xf xf xf xbb xf nwhat better way enjoy  
cool af chat xf xf xf xe xa  
Sentiment(polarity=0.4875000000000004, subjectivity=0.5625)  
Positive  
latest tfpodcast streaming discussing took place xe financial institutions vs  
bitcoin amp crypto xe xa  
Sentiment(polarity=0.25, subjectivity=0.45)  
Positive  
grayscale bitcoin trust bought bitcoins since halving nonly bitcoins mined since  
halving xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
bitcoin xf bet btc xf xa via xe xb xe  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
fill blank nif could buy one crypto would nbonus points tell us cryptocurrency  
xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
bitcoin ew perspective symmetrical triangle scenarios xf bet btc xf xa via xe xb  
xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
find info fund looked website could find bit xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
goldman sachs saying buy bitcoin like exxon mobil telling people buy tesla  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
interesting repo data coming huobi research showing may th total number bitcoin  
addresses xe xa  
Sentiment(polarity=0.25, subjectivity=0.625)  
Positive  
goldman sachs bitcoin goldman make money transactions create bitcoin xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
hamburger day celebrating altcoin fomo nwhich one eating xf bitcoin max xf eth  
stake xf xe xa

Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
executive order preventing online censorship ai ml news tech bitcoin ethereum xe  
xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
binance bitcoin black bcb binance sign petition via  
Sentiment(polarity=-0.16666666666666666, subjectivity=0.43333333333333335)  
Negative  
real estate sales amp services company credit pa ner services included funding  
potential notice xe xa  
Sentiment(polarity=0.1, subjectivity=0.65)  
Positive  
new bitcoin defi bridge cross minutes show id dad sta btc ends wi xe xa  
Sentiment(polarity=0.06818181818181818, subjectivity=0.22727272727272727)  
Positive  
xf arcc staking phase live days xf xf xe gmt nbiki mining pool launched xe xa  
Sentiment(polarity=0.13636363636363635, subjectivity=0.5)  
Positive  
bitcoin goes next bull run price ethereum reach  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
live periscope latest tfpodcast streaming discussing took place xe financial  
insti xe xa  
Sentiment(polarity=0.21212121212121213, subjectivity=0.46666666666666666)  
Positive  
agreed xe disagree take bitcoin maxis say eats security network despite higher  
xe xa  
Sentiment(polarity=0.25, subjectivity=0.5)  
Positive  
jpmorgan pay million settle lawsuit overcharging crypto fees  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
saying trust saying want read iota deside xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
think right stelter eth liammcd  
Sentiment(polarity=0.2857142857142857, subjectivity=0.5357142857142857)  
Positive  
says guy manages mm dollars po folio xe etfs cash clears sc xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
show hn pagemarker xe organize annotate revisit bookmarks ai ml news tech xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
next block fee rate sat vbyte nhalf hour fee rate sat vbyte nhour fee rate sat  
vbyte nyou broadcast xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)



Neutral  
baba finish olosho bring olosho say na bitcoin de collect still de thematter  
Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
baba finish olosho bring olosho say na bitcoin de collect still de thematter  
Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
gon put bitcoin lol xe tryna learn  
Sentiment(polarity=0.8, subjectivity=0.7)

Positive  
mine phone free macron giveaway iot indiedev gamedev ai defstar crypto  
ificialintelligence xe xa  
Sentiment(polarity=0.4, subjectivity=0.8)

Positive  
featured icle today please forget subscribe daily newsletter xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
nice rate xe bad hold token specially grows annually  
Sentiment(polarity=0.08571428571428576, subjectivity=0.746031746031746)

Positive  
understand bitcoin problem next week ghost blockchain every muggle love ro xe xa  
Sentiment(polarity=0.25, subjectivity=0.3)

Positive  
xf xb bitcoin live episode crypto technical analysis via nepisode woot woot  
Sentiment(polarity=0.06818181818181818, subjectivity=0.3)

Positive  
uro um listed bitcoin like years ago  
Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
bears early nbitcoin near upper trendline amp made sense exit half size nplan  
add xe xa  
Sentiment(polarity=0.008333333333333338, subjectivity=0.21666666666666665)

Positive  
btc never go btc bitcoin  
Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
latest tfpodcast streaming discussing took place xe financial institutions vs  
bitcoin xe xa  
Sentiment(polarity=0.25, subjectivity=0.45)

Positive  
bitcoin core developers economic ignoramus many state evidences  
Sentiment(polarity=0.35, subjectivity=0.35)

Positive  
crocs bought drugs online via bitcoin worked  
Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
bitcoin replace gold crypto data analytics company ceo xc xa says  
Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
goldman sachs loves bitcoin much tell clients buy buy includes xe xa  
Sentiment(polarity=0.2, subjectivity=0.2)

Positive  
trends shows wall street bitcoin buying frenzy  
Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
crypto trading trends lockdown xe change much initial slowdown bitcoin continued  
dominat xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
anyone seeing dip coindesk bitcoin back two minutes coindesk xrpcommunity  
Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
trends shows wall street bitcoin buying frenzy  
Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
new york xe frontline workers battling bravely covid thank https xe xa  
Sentiment(polarity=0.4681818181818182, subjectivity=0.7272727272727273)

Positive  
unchained capital vob bitcoin antifragile presentation  
Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
bullish case bitcoin crsc  
Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
friends completely devastated current economic conditions xc xa survival project  
depends solely xe xa  
Sentiment(polarity=0.10000000000000002, subjectivity=0.3333333333333333)

Positive  
next bitcoin miss xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)

Neutral  
coincidentally noticed lot intense regulation regarding cryptos across europe  
either france germany th xe xa  
Sentiment(polarity=0.2, subjectivity=1.0)

Positive  
trim fa melanie iglesias fix jack nicklaus ranch dressing clown kit sad dog make  
nutriti xe xa  
Sentiment(polarity=-0.5, subjectivity=1.0)

Negative  
coincidentally noticed lot intense regulation regarding cryptos across europe  
either france xe xa  
Sentiment(polarity=0.2, subjectivity=1.0)

Positive  
honestly lot concerned goldman sachs understand bitcoin  
Sentiment(polarity=0.6, subjectivity=0.9)

Positive

global crypto awards nto know visit globalcryptoawards crypto cryptocurren xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
framework benchmarks round ai ml news tech bitcoin ethereum crypto blockchain et  
xe xa  
Sentiment(polarity=-0.2, subjectivity=0.4)  
Negative  
xrp price projections hype via nwhere next xrp bull cycle lead xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
want say thank next years cause sell zero bitcoin  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
fake account bullish bitcoin  
Sentiment(polarity=-0.5, subjectivity=1.0)  
Negative  
fellow safexians cryptominers suppo safex sfx sta mining every available laptop  
desktop xe xa  
Sentiment(polarity=0.4, subjectivity=0.4)  
Positive  
xrp xrpcommunity btc bitcoin eth ltc vet oh yes ripple mentioned business  
unusual defining new xe xa  
Sentiment(polarity=0.16818181818181818, subjectivity=0.7272727272727273)  
Positive  
yes world global pandemic world going recession invest xe xa  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
bitcoin mining break moment institutional investors understand energy business  
Sentiment(polarity=0.0, subjectivity=0.0)  
Neutral  
suggestions decided buy following bitcoin ethereum litecoin digibyte chainlink  
tezo xe xa  
Sentiment(polarity=0.0, subjectivity=0.1)  
Neutral  
btc latest block info block holds transactions total bitcoin including block rew  
xe xa  
Sentiment(polarity=0.25, subjectivity=0.825)  
Positive  
looting news awful see  
Sentiment(polarity=-1.0, subjectivity=1.0)  
Negative  
nytimes apr injection fed plan far exceeds rescue  
Sentiment(polarity=0.1, subjectivity=1.0)  
Positive  
government prints trillions dollars thin air bitcoin reduced issuance xe xa  
Sentiment(polarity=-0.4, subjectivity=0.8500000000000001)  
Negative  
adam emerges fud stasis

```

Sentiment(polarity=0.0, subjectivity=0.0)
Neutral
bitcoin era uptime major updates gt crushed chinese mining pool ca el crushed vc
backed xe xa
Sentiment(polarity=-0.034375, subjectivity=0.175)
Negative
xf xa btc xe betfury event xf xa xf join get free bitcoin twitter campaig xe xa
Sentiment(polarity=0.4, subjectivity=0.8)
Positive
xrp xrpcommunity btc bitcoin eth ltc vet oh yes ripple mentioned business
unusual defining new xe xa
Sentiment(polarity=0.16818181818181818, subjectivity=0.7272727272727273)
Positive
yes world global pandemic world going recession invest xe xa
Sentiment(polarity=0.0, subjectivity=0.0)
Neutral
last days grayscale bitcoin trust bought bitcoin nthat xe usd days nobv xe xa
Sentiment(polarity=0.0, subjectivity=0.06666666666666667)
Neutral
pretty incredible imho nwe need creativity like crypto bitcoin space
Sentiment(polarity=0.575, subjectivity=0.95)
Positive
drop sachs nget sats
Sentiment(polarity=0.0, subjectivity=0.0)
Neutral

```

### 1.3 Save clean tweets to new cleaned dataset

```

[14]: clean_tweets = []
      for tweet in tweets_data.text:
          clean_tweets.append(tweet_cleaner(tweet))
      tweets_data['clean_text'].to_csv("cleaned_tweet_data.csv", index = False)

```

C:\cuong\lib\site-packages\ipykernel\_launcher.py:4: FutureWarning: The signature of `Series.to\_csv` was aligned to that of `DataFrame.to\_csv`, and argument 'header' will change its default value from False to True: please pass an explicit value to suppress this warning.  
after removing the cwd from sys.path.