

Sentimental Analysis Model

```
In [1]: # Importing dependencies
import os
from sklearn.feature_extraction.text import CountVectorizer
from sklearn.ensemble import RandomForestClassifier
from gensim.models import Word2Vec
import pandas as pd
import nltk
import re
from bs4 import BeautifulSoup
from nltk.corpus import stopwords
import numpy as np
```

```
In [3]: # Reading CSV file
df = pd.read_csv('bitcointweets-2.csv', header=None)
df.columns = ["DateTime", "Tweet", "Handle", "Followers", "Unknown", "Hashtags", "Ref", "Sentiment"]
df.head()
```

Out[3]:

	DateTime	Tweet	Handle	Followers	Unknown	Hashtags
0	Fri Mar 23 00:40:32 +0000 2018	RT @ALXTOKEN: Paul Krugman, Nobel Luddite. I h...	myresumerocket	16522	0	[]
1	Fri Mar 23 00:40:34 +0000 2018	@lopp @_Kevin_Pham @psycho_sage @naval But @Pr...	BitMocro	1295	0	[u'Bitcoin'] href=''
2	Fri Mar 23 00:40:35 +0000 2018	RT @tippereconomy: Another use case for #block...	hojachotopur	6090	0	[u'blockchain', u'Tipper', u'TipperEconomy']
3	Fri Mar 23 00:40:36 +0000 2018	free coins https://t.co/DiuoePJdap	denies_distro	2626	0	[]
4	Fri Mar 23 00:40:36 +0000 2018	RT @payvxofficial: WE are happy to announce th...	aditzgraha	184	0	[] href=''

```
In [4]: # Replace Sentiment Column list into strings of categorical variables
df['Sentiment'] = df['Sentiment'].replace(
    {"['positive']": 'positive', "['negative']": 'negative', "['neutral']": 'neutral'})
df.head()
```

Out[4]:

	DateTime	Tweet	Handle	Followers	Unknown	Hashtags
0	Fri Mar 23 00:40:32 +0000 2018	RT @ALXTOKEN: Paul Krugman, Nobel Luddite. I h...	myresumerocket	16522	0	[]
1	Fri Mar 23 00:40:34 +0000 2018	@lopp @_Kevin_Pham @psycho_sage @naval But @Pr...	BitMocro	1295	0	[u'Bitcoin'] href=''
2	Fri Mar 23 00:40:35 +0000 2018	RT @tippereconomy: Another use case for #block...	hojachotopur	6090	0	[u'blockchain', u'Tipper', u'TipperEconomy']
3	Fri Mar 23 00:40:36 +0000 2018	free coins https://t.co/DiuoePJdap	denies_distro	2626	0	[]
4	Fri Mar 23 00:40:36 +0000 2018	RT @payvxofficial: WE are happy to announce th...	aditzgraha	184	0	[] href=''

```
In [5]: # Using sklearn to encode categorical variables
from sklearn import preprocessing
encoder= preprocessing.LabelEncoder()
categories=["positive", "negative", "neutral"]
encoder.fit(categories)
#new_categories=["negative", "positive", "positive", "neutral"]
#encoder.transform(new_categories)
```

Out[5]: LabelEncoder()

Categorical Labels: Positive=2, Negative=0, Neutral=1

```
In [6]: # Using encoder to transform Sentiment column
df['Sentiment']=encoder.transform(df['Sentiment'])
df.head()
#df['Sentiment'].unique()
```

Out[6]:

	DateTime	Tweet	Handle	Followers	Unknown	Hashtags
0	Fri Mar 23 00:40:32 +0000 2018	RT @ALXTOKEN: Paul Krugman, Nobel Luddite. I h...	myresumerocket	16522	0	[]
1	Fri Mar 23 00:40:34 +0000 2018	@lopp @_Kevin_Pham @psycho_sage @naval But @Pr...	BitMocro	1295	0	[u'Bitcoin'] href=''
2	Fri Mar 23 00:40:35 +0000 2018	RT @tippereconomy: Another use case for #block...	hojachotopur	6090	0	[u'blockchain', u'Tipper', u'TipperEconomy']
3	Fri Mar 23 00:40:36 +0000 2018	free coins https://t.co/DiuoePJdap	denies_distro	2626	0	[]
4	Fri Mar 23 00:40:36 +0000 2018	RT @payvxofficial: WE are happy to announce th...	aditzgraha	184	0	[] href=''

```
In [7]: # Use train_test_split to create training and testing data
from sklearn.model_selection import train_test_split
X= df['Tweet']
y= df['Sentiment']

X_train, X_test, y_train, y_test = train_test_split(X, y)
```

```
In [8]: # This function converts a text to a sequence of words
def review_wordlist(review, remove_stopwords=False):
    # 1. Removing html tags
    review_text = BeautifulSoup(review).get_text()
    # 2. Removing non-Letter.
    review_text = re.sub("[^a-zA-Z]", " ", review_text)
    # 3. Converting to lower case and splitting
    words = review_text.lower().split()
    # 4. Optionally remove stopwords
    if remove_stopwords:
        stops = set(stopwords.words("english"))
        words = [w for w in words if not w in stops]

    return(words)
```

```
In [9]: # word2vec expects List of Lists  
        nltk.download('twitter_samples')
```

```
[nltk_data] Downloading package twitter_samples to  
[nltk_data] C:\Users\model\AppData\Roaming\nltk_data...  
[nltk_data] Unzipping corpora\twitter_samples.zip.
```

```
Out[9]: True
```

```
In [10]: # word2vec expects a list of lists.  
# Using punkt tokenizer for better splitting of a paragraph into sentences.  
  
import nltk.data  
nltk.download('popular')  
  
tokenizer = nltk.data.load('tokenizers/punkt/english.pickle')
```

```
[nltk_data] Downloading collection 'popular'
[nltk_data] |
[nltk_data] | Downloading package cmudict to
[nltk_data] | C:\Users\model\AppData\Roaming\nltk_data...
[nltk_data] | Unzipping corpora\cmudict.zip.
[nltk_data] | Downloading package gazetteers to
[nltk_data] | C:\Users\model\AppData\Roaming\nltk_data...
[nltk_data] | Unzipping corpora\gazetteers.zip.
[nltk_data] | Downloading package genesis to
[nltk_data] | C:\Users\model\AppData\Roaming\nltk_data...
[nltk_data] | Unzipping corpora\genesis.zip.
[nltk_data] | Downloading package gutenberg to
[nltk_data] | C:\Users\model\AppData\Roaming\nltk_data...
[nltk_data] | Unzipping corpora\gutenberg.zip.
[nltk_data] | Downloading package inaugural to
[nltk_data] | C:\Users\model\AppData\Roaming\nltk_data...
[nltk_data] | Unzipping corpora\inaugural.zip.
[nltk_data] | Downloading package movie_reviews to
[nltk_data] | C:\Users\model\AppData\Roaming\nltk_data...
[nltk_data] | Unzipping corpora\movie_reviews.zip.
[nltk_data] | Downloading package names to
[nltk_data] | C:\Users\model\AppData\Roaming\nltk_data...
[nltk_data] | Unzipping corpora\names.zip.
[nltk_data] | Downloading package shakespeare to
[nltk_data] | C:\Users\model\AppData\Roaming\nltk_data...
[nltk_data] | Unzipping corpora\shakespeare.zip.
[nltk_data] | Downloading package stopwords to
[nltk_data] | C:\Users\model\AppData\Roaming\nltk_data...
[nltk_data] | Unzipping corpora\stopwords.zip.
[nltk_data] | Downloading package treebank to
[nltk_data] | C:\Users\model\AppData\Roaming\nltk_data...
[nltk_data] | Unzipping corpora\treebank.zip.
[nltk_data] | Downloading package twitter_samples to
[nltk_data] | C:\Users\model\AppData\Roaming\nltk_data...
[nltk_data] | Package twitter_samples is already up-to-date!
[nltk_data] | Downloading package omw to
[nltk_data] | C:\Users\model\AppData\Roaming\nltk_data...
[nltk_data] | Unzipping corpora\omw.zip.
[nltk_data] | Downloading package wordnet to
[nltk_data] | C:\Users\model\AppData\Roaming\nltk_data...
[nltk_data] | Unzipping corpora\wordnet.zip.
[nltk_data] | Downloading package wordnet_ic to
[nltk_data] | C:\Users\model\AppData\Roaming\nltk_data...
[nltk_data] | Unzipping corpora\wordnet_ic.zip.
[nltk_data] | Downloading package words to
[nltk_data] | C:\Users\model\AppData\Roaming\nltk_data...
[nltk_data] | Unzipping corpora\words.zip.
[nltk_data] | Downloading package maxent_ne_chunker to
[nltk_data] | C:\Users\model\AppData\Roaming\nltk_data...
[nltk_data] | Unzipping chunkers\maxent_ne_chunker.zip.
[nltk_data] | Downloading package punkt to
[nltk_data] | C:\Users\model\AppData\Roaming\nltk_data...
[nltk_data] | Unzipping tokenizers\punkt.zip.
[nltk_data] | Downloading package snowball_data to
[nltk_data] | C:\Users\model\AppData\Roaming\nltk_data...
[nltk_data] | Downloading package averaged_perceptron_tagger to
[nltk_data] | C:\Users\model\AppData\Roaming\nltk_data...
```

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[nltk_data] | Unzipping taggers\averaged_perceptron_tagger.zip.  
[nltk_data] |  
[nltk_data] Done downloading collection popular
```

```
In [11]: # This function splits a review into sentences  
def review_sentences(review, tokenizer, remove_stopwords=False):  
    # 1. Using nltk tokenizer  
    raw_sentences = tokenizer.tokenize(review.strip())  
    sentences = []  
    # 2. Loop for each sentence  
    for raw_sentence in raw_sentences:  
        if len(raw_sentence)>0:  
            sentences.append(review_wordlist(raw_sentence,\br/>                                           remove_stopwords))  
  
    # This returns the List of lists  
    return sentences
```

```
In [12]: # Parsing sentences from the training set

sentences = []
print("Parsing sentences from training set")
for review in X_train:
    sentences += review_sentences(review, tokenizer)
```


Parsing sentences from training set

```
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
"https://t.co/1jyL6ZIVKs" looks like a URL. BeautifulSoup is not an HTTP cli
ent. You should probably use an HTTP client like requests to get the document
behind the URL, and feed that document to BeautifulSoup.
' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
"https://t.co/hmRAqfruiY" looks like a URL. BeautifulSoup is not an HTTP cli
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' that document to BeautifulSoup.' % decoded_markup
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' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
"https://t.co/HjnR9JU3tk" looks like a URL. BeautifulSoup is not an HTTP cli
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behind the URL, and feed that document to BeautifulSoup.
' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
"https://t.co/hUXskrSAbg" looks like a URL. BeautifulSoup is not an HTTP cli
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' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
"https://t.co/..." looks like a URL. BeautifulSoup is not an HTTP client. You
should probably use an HTTP client like requests to get the document behind t
he URL, and feed that document to BeautifulSoup.
' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
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behind the URL, and feed that document to BeautifulSoup.
' that document to BeautifulSoup.' % decoded_markup
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' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
"https://t.co/qVfSH..." looks like a URL. BeautifulSoup is not an HTTP client.
You should probably use an HTTP client like requests to get the document behi
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' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
"https://t.co/ZtevCANU7Z" looks like a URL. BeautifulSoup is not an HTTP cli
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ent. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.

' that document to BeautifulSoup.' % decoded_markup

C:\ProgramData\Anaconda3\lib\site-packages\bs4__init__.py:335: UserWarning: "https://t.co/TQuTcnqWMa" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.

' that document to BeautifulSoup.' % decoded_markup

C:\ProgramData\Anaconda3\lib\site-packages\bs4__init__.py:335: UserWarning: "https://t.co/XdJZ4m5h4F" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.

' that document to BeautifulSoup.' % decoded_markup

C:\ProgramData\Anaconda3\lib\site-packages\bs4__init__.py:335: UserWarning: "https://t.co/sdGr18dgAc" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.

' that document to BeautifulSoup.' % decoded_markup

C:\ProgramData\Anaconda3\lib\site-packages\bs4__init__.py:335: UserWarning: "https://t.co/wum5vmaV3K" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.

' that document to BeautifulSoup.' % decoded_markup

C:\ProgramData\Anaconda3\lib\site-packages\bs4__init__.py:335: UserWarning: "https://t.co/bQJ7whwKdg" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.

' that document to BeautifulSoup.' % decoded_markup

C:\ProgramData\Anaconda3\lib\site-packages\bs4__init__.py:335: UserWarning: "https://t.co/A4zmdz2sml#bloc..." looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.

' that document to BeautifulSoup.' % decoded_markup

C:\ProgramData\Anaconda3\lib\site-packages\bs4__init__.py:335: UserWarning: "https://t.co/qA6sLrrvCY" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.

' that document to BeautifulSoup.' % decoded_markup

C:\ProgramData\Anaconda3\lib\site-packages\bs4__init__.py:335: UserWarning: "https://t.co/7RAzWhc43Q" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.

' that document to BeautifulSoup.' % decoded_markup

C:\ProgramData\Anaconda3\lib\site-packages\bs4__init__.py:335: UserWarning: "https://t.co/qMW8fh42FV" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.

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C:\ProgramData\Anaconda3\lib\site-packages\bs4__init__.py:335: UserWarning: "https://t.co/5A73PDagvp" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.

' that document to BeautifulSoup.' % decoded_markup

C:\ProgramData\Anaconda3\lib\site-packages\bs4__init__.py:335: UserWarning: "https://t.co/C5p8gEpB47" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document

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behind the URL, and feed that document to BeautifulSoup.
' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
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behind the URL, and feed that document to BeautifulSoup.
' that document to BeautifulSoup.' % decoded_markup
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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
"https://t.co/XPE6P1zOr3" looks like a URL. BeautifulSoup is not an HTTP cli
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behind the URL, and feed that document to BeautifulSoup.
' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
"https://t.co/Bws9YaUjsX" looks like a URL. BeautifulSoup is not an HTTP cli
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behind the URL, and feed that document to BeautifulSoup.
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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
"https://t.co/eeAndd..." looks like a URL. BeautifulSoup is not an HTTP clien
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behind the URL, and feed that document to BeautifulSoup.
' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
"https://t.co/tk04UNAiY0" looks like a URL. BeautifulSoup is not an HTTP cli
ent. You should probably use an HTTP client like requests to get the document
behind the URL, and feed that document to BeautifulSoup.
' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:272: UserWarning:
"b'.'" looks like a filename, not markup. You should probably open this file
and pass the filehandle into BeautifulSoup.
' BeautifulSoup.' % markup)
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
"https://t.co/hWx6LtvH65" looks like a URL. BeautifulSoup is not an HTTP cli
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behind the URL, and feed that document to BeautifulSoup.
' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
"https://t.co/8MWUL0..." looks like a URL. BeautifulSoup is not an HTTP clien
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ehind the URL, and feed that document to BeautifulSoup.
' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
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"https://t.co/qMmf3znClT" looks like a URL. BeautifulSoup is not an HTTP cli
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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
"https://t.co/mLnyvpISWo" looks like a URL. BeautifulSoup is not an HTTP cli
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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
"https://t.co/hzfoffPUFx" looks like a URL. BeautifulSoup is not an HTTP cli
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' that document to BeautifulSoup.' % decoded_markup
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C:\ProgramData\Anaconda3\lib\site-packages\bs4__init__.py:335: UserWarning: "https://t.co/GcD37tRwTf" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.

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C:\ProgramData\Anaconda3\lib\site-packages\bs4__init__.py:335: UserWarning: "https://t.co/ZPQCedq1lY" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.

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C:\ProgramData\Anaconda3\lib\site-packages\bs4__init__.py:335: UserWarning: "https://t.co/Esvc3tyveJ" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.

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C:\ProgramData\Anaconda3\lib\site-packages\bs4__init__.py:335: UserWarning: "https://t.co/chBUSrDMG8" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.

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C:\ProgramData\Anaconda3\lib\site-packages\bs4__init__.py:335: UserWarning: "https://t.co/784R7odBdw" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.

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C:\ProgramData\Anaconda3\lib\site-packages\bs4__init__.py:335: UserWarning: "https://t.co/Uk..." looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.

' that document to BeautifulSoup.' % decoded_markup

C:\ProgramData\Anaconda3\lib\site-packages\bs4__init__.py:335: UserWarning: "https://t.co/JwJBHqA9GM" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.

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C:\ProgramData\Anaconda3\lib\site-packages\bs4__init__.py:335: UserWarning: "https://t.co/syvMhFgDzL" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.

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C:\ProgramData\Anaconda3\lib\site-packages\bs4__init__.py:335: UserWarning: "https://t.co/ObOz27SCuQ" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.

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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/or71yaiinr" looks like a URL. BeautifulSoup is not an HTTP cl
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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/VoBc3acrHY" looks like a URL. BeautifulSoup is not an HTTP cl
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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/3Aa6VcHW40" looks like a URL. BeautifulSoup is not an HTTP cl
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  "https://t.co/3yl2DqNyBd" looks like a URL. BeautifulSoup is not an HTTP cl
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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/MH4oUrIJUj" looks like a URL. BeautifulSoup is not an HTTP cl
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  "https://t.co/5JzsOQ80..." looks like a URL. BeautifulSoup is not an HTTP client.
  You should probably use an HTTP client like requests to get the document behind
  the URL, and feed that document to BeautifulSoup.
  ' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/LhwqFe0wPo" looks like a URL. BeautifulSoup is not an HTTP client.
  You should probably use an HTTP client like requests to get the document behind
  the URL, and feed that document to BeautifulSoup.
  ' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/l0xjmDeXdu" looks like a URL. BeautifulSoup is not an HTTP client.
  You should probably use an HTTP client like requests to get the document behind
  the URL, and feed that document to BeautifulSoup.
  ' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/EDwVIHMHpc" looks like a URL. BeautifulSoup is not an HTTP client.
  You should probably use an HTTP client like requests to get the document behind
  the URL, and feed that document to BeautifulSoup.
  ' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/6rIE6IyU8W
#cryptocurrency
#ico
#bitcoin
#ethereum
#CoinExchange..." looks like a URL. BeautifulSoup is not an HTTP client. You
  should probably use an HTTP client like requests to get the document behind the
  URL, and feed that document to BeautifulSoup.
  ' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/riKdAJLpc6" looks like a URL. BeautifulSoup is not an HTTP client.
  You should probably use an HTTP client like requests to get the document behind
  the URL, and feed that document to BeautifulSoup.
  ' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/BTgwjG5mbf" looks like a URL. BeautifulSoup is not an HTTP client.
  You should probably use an HTTP client like requests to get the document behind
  the URL, and feed that document to BeautifulSoup.
  ' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/xQzBQyW3ut" looks like a URL. BeautifulSoup is not an HTTP client

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' that document to BeautifulSoup.' % decoded_markup

C:\ProgramData\Anaconda3\lib\site-packages\bs4__init__.py:335: UserWarning: "https://t.co/XOo7uHrBmc" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.

' that document to BeautifulSoup.' % decoded_markup

C:\ProgramData\Anaconda3\lib\site-packages\bs4__init__.py:335: UserWarning: "https://t.co/0ZQBDZiSiT" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.

' that document to BeautifulSoup.' % decoded_markup

C:\ProgramData\Anaconda3\lib\site-packages\bs4__init__.py:335: UserWarning: "https://t.co/dXH0g6QAYX" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.

' that document to BeautifulSoup.' % decoded_markup

C:\ProgramData\Anaconda3\lib\site-packages\bs4__init__.py:335: UserWarning: "https://t.co/CtHRb6uJ68

\$HEC..." looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.

' that document to BeautifulSoup.' % decoded_markup

C:\ProgramData\Anaconda3\lib\site-packages\bs4__init__.py:335: UserWarning: "https://t.co/dHqh9BmnXK" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.

' that document to BeautifulSoup.' % decoded_markup

C:\ProgramData\Anaconda3\lib\site-packages\bs4__init__.py:335: UserWarning: "https://t.co/8D1x..." looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.

' that document to BeautifulSoup.' % decoded_markup

C:\ProgramData\Anaconda3\lib\site-packages\bs4__init__.py:335: UserWarning: "https://t.co/EUt0x3Mux0" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.

' that document to BeautifulSoup.' % decoded_markup

C:\ProgramData\Anaconda3\lib\site-packages\bs4__init__.py:335: UserWarning: "https://t.co/MCrDv4mDyc" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.

' that document to BeautifulSoup.' % decoded_markup

C:\ProgramData\Anaconda3\lib\site-packages\bs4__init__.py:335: UserWarning: "https://t.co/TLeK76UzD6" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.

' that document to BeautifulSoup.' % decoded_markup

C:\ProgramData\Anaconda3\lib\site-packages\bs4__init__.py:335: UserWarning: "https://t.co/MH3KfVKzkw" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.

' that document to BeautifulSoup.' % decoded_markup

C:\ProgramData\Anaconda3\lib\site-packages\bs4__init__.py:335: UserWarning: "https://t.co/HcFJMzSy8j" looks like a URL. BeautifulSoup is not an HTTP client.

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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
"https://t.co/aMxNYWnFKm" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
"https://t.co/iGoWZxPN1G" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
"https://t.co/8vgygSi7Zq" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
"https://t.co/CvHrXHbjfg" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
"https://t.co/cnVkdJcNW" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
"https://t.co/7tOc89wYvs" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
"https://t.co/67RCIy7Mw6" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
"https://t.co/pwla7z3smD" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
"https://t.co/Ps3Q1a3Ws0" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
"https://t.co/gySD4DYkC6" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
"https://t.co/65MEd0wxDr" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
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' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/Cq3foEHR5B" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/YePOYgUMf0" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/OsigKYGohm" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/nP1g50xa6t" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/4vV..." looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/FNU5D2EADv" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/bvrhNZ6SpX" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/z5VMuKqHpR" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/lWYceq2JX5
@bitcoinpr..." looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/J2dHSF..." looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/xcxOu5eUFg" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
' that document to BeautifulSoup.' % decoded_markup

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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/0xRoJUJcGp" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
  ' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/KzTsaSHaia" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
  ' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/r32IEJAALi" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
  ' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/yJC2jsWeQ9" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
  ' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/qOZ0upD7Jb" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
  ' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/2xDVAewB5i" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
  ' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/vWkLdl9aSt" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/QmAeAEAyh5" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/vPYRyPo2ah" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
  ' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/hrxCZ3tcfC" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
  ' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/PGP17AidrW" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
  ' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/xWyXGc6GkI" looks like a URL. BeautifulSoup is not an HTTP client.
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' that document to BeautifulSoup.' % decoded_markup

C:\ProgramData\Anaconda3\lib\site-packages\bs4__init__.py:335: UserWarning: "https://t.co/VsM1Z3w1rW" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.

' that document to BeautifulSoup.' % decoded_markup

C:\ProgramData\Anaconda3\lib\site-packages\bs4__init__.py:335: UserWarning: "https://t.co/x7YvkrKTpC" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.

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C:\ProgramData\Anaconda3\lib\site-packages\bs4__init__.py:335: UserWarning: "https://t.co/07kKgs5dWj" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.

' that document to BeautifulSoup.' % decoded_markup

C:\ProgramData\Anaconda3\lib\site-packages\bs4__init__.py:335: UserWarning: "https://t.co/UB8xNNA1ZH" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.

' that document to BeautifulSoup.' % decoded_markup

C:\ProgramData\Anaconda3\lib\site-packages\bs4__init__.py:335: UserWarning: "https://t.co/80Uv1INKkz" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.

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  "https://t.co/ElsN1XzT7p" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
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  "https://t.co/1NYEhydTYj" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/oo2ekHsVDu" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/sSGQA3XmUI" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
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  "https://t.co/G308vc6Zn0" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
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"https://t.co/6f0LYEwrzi" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.

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C:\ProgramData\Anaconda3\lib\site-packages\bs4__init__.py:335: UserWarning: "https://t.co/8U1aunh4ju" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.

' that document to BeautifulSoup.' % decoded_markup

C:\ProgramData\Anaconda3\lib\site-packages\bs4__init__.py:335: UserWarning: "https://t.co/PvLLNEVs3L" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.

' that document to BeautifulSoup.' % decoded_markup

C:\ProgramData\Anaconda3\lib\site-packages\bs4__init__.py:335: UserWarning: "https://t.co/s34aFmdkoG" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.

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C:\ProgramData\Anaconda3\lib\site-packages\bs4__init__.py:335: UserWarning: "https://t.co/lwdfenQvcF" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.

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C:\ProgramData\Anaconda3\lib\site-packages\bs4__init__.py:335: UserWarning: "https://t.co/0xZMdxmkMS" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.

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C:\ProgramData\Anaconda3\lib\site-packages\bs4__init__.py:335: UserWarning: "https://t.co/1xcXl08vdQ" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.

' that document to BeautifulSoup.' % decoded_markup

C:\ProgramData\Anaconda3\lib\site-packages\bs4__init__.py:335: UserWarning: "https://t.co/19J5Gs5HFW#cr..." looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.

' that document to BeautifulSoup.' % decoded_markup

C:\ProgramData\Anaconda3\lib\site-packages\bs4__init__.py:335: UserWarning: "https://t.co/DkPyqgAQJ7" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.

' that document to BeautifulSoup.' % decoded_markup

C:\ProgramData\Anaconda3\lib\site-packages\bs4__init__.py:335: UserWarning: "https://t.co/a8JARKCKjp" looks like a URL. BeautifulSoup is not an HTTP client.

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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
"https://t.co/XWj7eAS1hV" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
"https://t.co/CULrzVJjdY" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
"https://t.co/of1NWWkjmg" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
"https://t.co/gMKukf2pAi" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
"https://t.co/XWE7GPhQyf" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
"https://t.co/zk3cyB4UGA" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
"https://t.co/f2MI5psI11" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
"https://t.co/Ttw679EWi7" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
"https://t.co/KR8L0..." looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
"https://t.co/73fyVgl1G5" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
"https://t.co/1mbZZ2UXIB" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/B9L300i3WS" looks like a URL. BeautifulSoup is not an HTTP cl
  ient. You should probably use an HTTP client like requests to get the documen
  t behind the URL, and feed that document to BeautifulSoup.
' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/Efdq846bRb" looks like a URL. BeautifulSoup is not an HTTP cl
  ient. You should probably use an HTTP client like requests to get the documen
  t behind the URL, and feed that document to BeautifulSoup.
' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/UQwx53fx0o" looks like a URL. BeautifulSoup is not an HTTP cl
  ient. You should probably use an HTTP client like requests to get the documen
  t behind the URL, and feed that document to BeautifulSoup.
' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/nWjpWcTCB0" looks like a URL. BeautifulSoup is not an HTTP cl
  ient. You should probably use an HTTP client like requests to get the documen
  t behind the URL, and feed that document to BeautifulSoup.
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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/aJAqqAKDAU" looks like a URL. BeautifulSoup is not an HTTP cl
  ient. You should probably use an HTTP client like requests to get the documen
  t behind the URL, and feed that document to BeautifulSoup.
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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/JLZHgHEMKe" looks like a URL. BeautifulSoup is not an HTTP cl
  ient. You should probably use an HTTP client like requests to get the documen
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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/Hvt7n2pZjp" looks like a URL. BeautifulSoup is not an HTTP cl
  ient. You should probably use an HTTP client like requests to get the documen
  t behind the URL, and feed that document to BeautifulSoup.
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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/h8Y519qVej" looks like a URL. BeautifulSoup is not an HTTP cl
  ient. You should probably use an HTTP client like requests to get the documen
  t behind the URL, and feed that document to BeautifulSoup.
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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/6vNKGdbhTa" looks like a URL. BeautifulSoup is not an HTTP cl
  ient. You should probably use an HTTP client like requests to get the documen
  t behind the URL, and feed that document to BeautifulSoup.
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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/zU6hzFXmZo" looks like a URL. BeautifulSoup is not an HTTP cl
  ient. You should probably use an HTTP client like requests to get the documen
  t behind the URL, and feed that document to BeautifulSoup.
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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/2C4TyII4at" looks like a URL. BeautifulSoup is not an HTTP cl
  ient. You should probably use an HTTP client like requests to get the documen
  t behind the URL, and feed that document to BeautifulSoup.
' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
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"https://t.co/MbLIZajqTn" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.

' that document to BeautifulSoup.' % decoded_markup

C:\ProgramData\Anaconda3\lib\site-packages\bs4__init__.py:335: UserWarning: "https://t.co/yRhvoGpuZn" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.

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C:\ProgramData\Anaconda3\lib\site-packages\bs4__init__.py:335: UserWarning: "https://t.co/CZkpktUmQe" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.

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C:\ProgramData\Anaconda3\lib\site-packages\bs4__init__.py:335: UserWarning: "https://t.co/h7IKyr3vuu" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.

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C:\ProgramData\Anaconda3\lib\site-packages\bs4__init__.py:335: UserWarning: "https://t.co/eIr8uy8l2q" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.

' that document to BeautifulSoup.' % decoded_markup

C:\ProgramData\Anaconda3\lib\site-packages\bs4__init__.py:335: UserWarning: "https://t.co/tudknAmlou" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.

' that document to BeautifulSoup.' % decoded_markup

C:\ProgramData\Anaconda3\lib\site-packages\bs4__init__.py:335: UserWarning: "https://t.co/ntvMT9hNDd" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.

' that document to BeautifulSoup.' % decoded_markup

C:\ProgramData\Anaconda3\lib\site-packages\bs4__init__.py:335: UserWarning: "https://t.co/0iOKopYKqA" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.

' that document to BeautifulSoup.' % decoded_markup

C:\ProgramData\Anaconda3\lib\site-packages\bs4__init__.py:335: UserWarning: "https://t.co/DuVENHfPjx" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.

' that document to BeautifulSoup.' % decoded_markup

C:\ProgramData\Anaconda3\lib\site-packages\bs4__init__.py:335: UserWarning: "https://t.co/GBaWWu4GRX" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.

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C:\ProgramData\Anaconda3\lib\site-packages\bs4__init__.py:335: UserWarning: "https://t.co/lhAGS3zFaQ" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.

' that document to BeautifulSoup.' % decoded_markup

C:\ProgramData\Anaconda3\lib\site-packages\bs4__init__.py:335: UserWarning: "https://t.co/HVaZ82ami4" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document

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t behind the URL, and feed that document to BeautifulSoup.
' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/NXrjRpWYDs" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/jB3LBia2yp" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/JsAx41GeXU" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/qR45vkSz42" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/SIRhHKnKIQ" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/tzEM9ElNHx" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/OcZb93Unll" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/o4YAQqImrc" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/TrynssAFsz" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/mq3GZQOoBW" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/r5Jtk0gAnM" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
' that document to BeautifulSoup.' % decoded_markup
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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/ynG0vmG07Y" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/QdlphajUDC" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
  ' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/WBoeuZiCiu

#savebitcoin" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
  ' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/O8zcnniPJJ" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
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  "https://t.co/u7d0dTZA30" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
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  "https://t.co/tC0clNN9Fk" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "http://bit.ly/lWc2Zu" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/hpShP7dqyB" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/ap8sW..." looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
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  "https://t.co/TvryoMvjKH" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/VmjgIhEjBo" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
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  "https://t.co/d94XMySJ0Q" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/d3qschedYDS" looks like a URL. BeautifulSoup is not an HTTP client.
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"https://t.co/89qiO3TNDf" looks like a URL. BeautifulSoup is not an HTTP client.
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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
"https://t.co/YPmVlYObTX" looks like a URL. BeautifulSoup is not an HTTP client.
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"https://t.co/gEcONlOJBr" looks like a URL. BeautifulSoup is not an HTTP client.
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"https://t.co/rNi7aMaY7F" looks like a URL. BeautifulSoup is not an HTTP client.
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  "https://t.co/6UL3zzx709" looks like a URL. BeautifulSoup is not an HTTP cl
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  "https://t.co/XOYrjp3mE7" looks like a URL. BeautifulSoup is not an HTTP cl
  ient. You should probably use an HTTP client like requests to get the documen
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  "https://t.co/4ymfyH5ULs" looks like a URL. BeautifulSoup is not an HTTP cl
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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/HSQr3mVR" looks like a URL. BeautifulSoup is not an HTTP cl
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"https://t.co/UdOLOcPi4i" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
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"https://t.co/HBsxlGSjU2" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
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"https://t.co/orilkg6Nhm" looks like a URL. BeautifulSoup is not an HTTP cl
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' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/H0sAX4suyg" looks like a URL. BeautifulSoup is not an HTTP cl
  ient. You should probably use an HTTP client like requests to get the documen
  t behind the URL, and feed that document to BeautifulSoup.
' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/V9my2ccb7y" looks like a URL. BeautifulSoup is not an HTTP cl
  ient. You should probably use an HTTP client like requests to get the documen
  t behind the URL, and feed that document to BeautifulSoup.
' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/AJzD5d58VC" looks like a URL. BeautifulSoup is not an HTTP cl
  ient. You should probably use an HTTP client like requests to get the documen
  t behind the URL, and feed that document to BeautifulSoup.
' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
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"https://t.co/uYNOKIHAFE" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.

' that document to BeautifulSoup.' % decoded_markup

C:\ProgramData\Anaconda3\lib\site-packages\bs4__init__.py:335: UserWarning: "https://t.co/TbguokKC..." looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.

' that document to BeautifulSoup.' % decoded_markup

C:\ProgramData\Anaconda3\lib\site-packages\bs4__init__.py:335: UserWarning: "https://t.co/z5uoSPmihB" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.

' that document to BeautifulSoup.' % decoded_markup

C:\ProgramData\Anaconda3\lib\site-packages\bs4__init__.py:335: UserWarning: "https://t.co/TgJ3TnRMxE" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.

' that document to BeautifulSoup.' % decoded_markup

C:\ProgramData\Anaconda3\lib\site-packages\bs4__init__.py:335: UserWarning: "https://t.co/n1rujBPh5N" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.

' that document to BeautifulSoup.' % decoded_markup

C:\ProgramData\Anaconda3\lib\site-packages\bs4__init__.py:335: UserWarning: "https://t.co/atQylceRwk" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.

' that document to BeautifulSoup.' % decoded_markup

C:\ProgramData\Anaconda3\lib\site-packages\bs4__init__.py:335: UserWarning: "https://t.co/snjd59pGst" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.

' that document to BeautifulSoup.' % decoded_markup

C:\ProgramData\Anaconda3\lib\site-packages\bs4__init__.py:335: UserWarning: "https://t.co/6E8p9d3RC1" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.

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C:\ProgramData\Anaconda3\lib\site-packages\bs4__init__.py:335: UserWarning: "https://t.co/vYBjyMJ7bs" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.

' that document to BeautifulSoup.' % decoded_markup

C:\ProgramData\Anaconda3\lib\site-packages\bs4__init__.py:335: UserWarning: "https://t.co/W7RDbK5SPg" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.

' that document to BeautifulSoup.' % decoded_markup

C:\ProgramData\Anaconda3\lib\site-packages\bs4__init__.py:335: UserWarning: "https://t.co/mViQhspoxF" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.

' that document to BeautifulSoup.' % decoded_markup

C:\ProgramData\Anaconda3\lib\site-packages\bs4__init__.py:335: UserWarning: "https://t.co/PIIDwZmhhY" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document


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t behind the URL, and feed that document to BeautifulSoup.
' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
"https://t.co/f6imcXqaIG" looks like a URL. BeautifulSoup is not an HTTP cl
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t behind the URL, and feed that document to BeautifulSoup.
' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
"https://t.co/DOjl0aGBvG" looks like a URL. BeautifulSoup is not an HTTP cl
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t behind the URL, and feed that document to BeautifulSoup.
' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
"https://t.co/xmQ..." looks like a URL. BeautifulSoup is not an HTTP client.
You should probably use an HTTP client like requests to get the document beh
ind the URL, and feed that document to BeautifulSoup.
' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
"https://t.co/ltu2WSD5An" looks like a URL. BeautifulSoup is not an HTTP cl
ient. You should probably use an HTTP client like requests to get the documen
t behind the URL, and feed that document to BeautifulSoup.
' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
"https://t.co/f3iKEvZt9a" looks like a URL. BeautifulSoup is not an HTTP cl
ient. You should probably use an HTTP client like requests to get the documen
t behind the URL, and feed that document to BeautifulSoup.
' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
"https://t.co/JYl4PLyXtv

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RT." looks like a URL. BeautifulSoup is not an HTTP client. You should proba-
bly use an HTTP client like requests to get the document behind the URL, and
feed that document to BeautifulSoup.

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' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
"https://t.co/OvyU2DGKb9" looks like a URL. BeautifulSoup is not an HTTP cl
ient. You should probably use an HTTP client like requests to get the documen
t behind the URL, and feed that document to BeautifulSoup.
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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
"https://t.co/lGOFqiMquX" looks like a URL. BeautifulSoup is not an HTTP cl
ient. You should probably use an HTTP client like requests to get the documen
t behind the URL, and feed that document to BeautifulSoup.
' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
"https://t.co/DqddHzVWA2" looks like a URL. BeautifulSoup is not an HTTP cl
ient. You should probably use an HTTP client like requests to get the documen
t behind the URL, and feed that document to BeautifulSoup.
' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
"https://t.co/mfOJ20Fahp" looks like a URL. BeautifulSoup is not an HTTP cl
ient. You should probably use an HTTP client like requests to get the documen
t behind the URL, and feed that document to BeautifulSoup.
' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
"https://t.co/My3v9IEC9x" looks like a URL. BeautifulSoup is not an HTTP cl
ient. You should probably use an HTTP client like requests to get the documen

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' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/nwMvhtxzIi" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/HJP1UrpGC2" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/nvqb7shnUj" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/QxZ9Krknf9" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/TzqHI7FaV3" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/9kdyfwWiFJ" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/TyfZVubVCK" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/7EW2uPcPdI" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/nhWF9VWUjq" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/e3aQtHdnbv" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/yzE95cTWx8" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
' that document to BeautifulSoup.' % decoded_markup
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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/potMPJbXst" looks like a URL. Beautiful Soup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
  ' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/7ipK0QhHqK" looks like a URL. Beautiful Soup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
  ' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/k0gLqbrxS1" looks like a URL. Beautiful Soup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
  ' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/xSFVFepLLT" looks like a URL. Beautiful Soup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/tvDlMWrsjQ" looks like a URL. Beautiful Soup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
  ' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/MpitA9hE4G" looks like a URL. Beautiful Soup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/5LzMlrQxqT" looks like a URL. Beautiful Soup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/qVfSHkb8RB" looks like a URL. Beautiful Soup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
  ' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/35IoJAXFPp" looks like a URL. Beautiful Soup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/Jr4G9eseLA" looks like a URL. Beautiful Soup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
  ' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/iSuMfplJcP" looks like a URL. Beautiful Soup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
  ' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/apoJxg2s3V" looks like a URL. Beautiful Soup is not an HTTP client.
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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
"https://t.co/F3ZOLIR4aI" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
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"https://t.co/cU5ai00zrg" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
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"https://t.co/n508S8pM4g" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
"https://t.co/zqd8ixbrFG" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
"https://t.co/EVhAjMa013" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
"https://t.co/DVXKebF9m5" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
"https://t.co/6so89VPiLb" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
"https://t.co/ppKqOsKrRt" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
"https://t.co/vp43CabAQD" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
"https://t.co/2x3PHDJkEr" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
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  ient. You should probably use an HTTP client like requests to get the documen
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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/nBVvEWLamm" looks like a URL. BeautifulSoup is not an HTTP cl
  ient. You should probably use an HTTP client like requests to get the documen
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  "https://t.co/JJKqnB2Kkj" looks like a URL. BeautifulSoup is not an HTTP cl
  ient. You should probably use an HTTP client like requests to get the documen
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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/RKqF6ZNMsm" looks like a URL. BeautifulSoup is not an HTTP cl
  ient. You should probably use an HTTP client like requests to get the documen
  t behind the URL, and feed that document to BeautifulSoup.
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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/NcMT7k9Znx" looks like a URL. BeautifulSoup is not an HTTP cl
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  "https://t.co/6R07S4eV5U" looks like a URL. BeautifulSoup is not an HTTP cl
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  t behind the URL, and feed that document to BeautifulSoup.
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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/9avrHOLvXS" looks like a URL. BeautifulSoup is not an HTTP cl
  ient. You should probably use an HTTP client like requests to get the documen
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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/SnxKFPRLZe" looks like a URL. BeautifulSoup is not an HTTP cl
  ient. You should probably use an HTTP client like requests to get the documen
  t behind the URL, and feed that document to BeautifulSoup.
' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
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"https://t.co/KRn0Dyo8ry" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
"https://t.co/s05XmJE221" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
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"https://t.co/pkqV8d96ay" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
"https://t.co/JZRkFOUVqE" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
"https://t.co/ORoPM3EsWH" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
"https://t.co/t4YtBSC0y0" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
"https://t.co/MoSDK2d1SG" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
"https://t.co/lWeGytDAMP" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
"https://t.co/Z6Cf0Hp7Pi" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
"https://t.co/WAC9oIzCoC" looks like a URL. BeautifulSoup is not an HTTP client.

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"https://t.co/K9T84sKgsI" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
"https://t.co/P54hbaSeU0" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
"https://t.co/ophIbUD0uS" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
"https://t.co/Yhx3ohf4Uc" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
"https://t.co/6CpW0xCCKM" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
"https://t.co/XOz4plcrRN" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
"https://t.co/BWreLADE7Y" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
"https://t.co/eDskHqk72p" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
"https://t.co/lWailjqjUp" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
"https://t.co/3T3YLnC10P" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
"https://t.co/dQkVD1jSTp" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
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' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
"https://t.co/AEo8Q03Kx3" looks like a URL. BeautifulSoup is not an HTTP cl
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' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
"https://t.co/tfentrCdtF"
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' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
"https://t.co/WfNrYZz2kP" looks like a URL. BeautifulSoup is not an HTTP cl
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"https://t.co/uXbOGtVmsf" looks like a URL. BeautifulSoup is not an HTTP cl
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"https://t.co/fA6wIZJkNh" looks like a URL. BeautifulSoup is not an HTTP cl
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' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
"https://t.co/IA7mQA7240" looks like a URL. BeautifulSoup is not an HTTP cl
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t behind the URL, and feed that document to BeautifulSoup.
' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
"https://t.co/eBT4EWTdJp" looks like a URL. BeautifulSoup is not an HTTP cl
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t behind the URL, and feed that document to BeautifulSoup.
' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
"https://t.co/g7g4ld1E01" looks like a URL. BeautifulSoup is not an HTTP cl
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' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
"https://t.co/L7CFBfPhZe" looks like a URL. BeautifulSoup is not an HTTP cl
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' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
"https://t.co/SVEjmkEJn3" looks like a URL. BeautifulSoup is not an HTTP cl
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t behind the URL, and feed that document to BeautifulSoup.
' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
"https://t.co/M68Y892nsD" looks like a URL. BeautifulSoup is not an HTTP cl
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' that document to BeautifulSoup.' % decoded_markup

C:\ProgramData\Anaconda3\lib\site-packages\bs4__init__.py:335: UserWarning: "https://t.co/r51Qq60vnU" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.

' that document to BeautifulSoup.' % decoded_markup

C:\ProgramData\Anaconda3\lib\site-packages\bs4__init__.py:335: UserWarning: "https://t.co/y1LDRS5dDM" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.

' that document to BeautifulSoup.' % decoded_markup

C:\ProgramData\Anaconda3\lib\site-packages\bs4__init__.py:335: UserWarning: "https://t.co/GiKnCwnXfV" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.

' that document to BeautifulSoup.' % decoded_markup

C:\ProgramData\Anaconda3\lib\site-packages\bs4__init__.py:335: UserWarning: "https://t.co/ZkysnBqEd3" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.

' that document to BeautifulSoup.' % decoded_markup

C:\ProgramData\Anaconda3\lib\site-packages\bs4__init__.py:335: UserWarning: "https://t.co/42FVF0dZHt" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.

' that document to BeautifulSoup.' % decoded_markup

C:\ProgramData\Anaconda3\lib\site-packages\bs4__init__.py:335: UserWarning: "https://t.co/7xFINFzTZQ" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.

' that document to BeautifulSoup.' % decoded_markup

C:\ProgramData\Anaconda3\lib\site-packages\bs4__init__.py:335: UserWarning: "https://t.co/9GocftHizf" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.

' that document to BeautifulSoup.' % decoded_markup

C:\ProgramData\Anaconda3\lib\site-packages\bs4__init__.py:335: UserWarning: "https://t.co/RoZn1MnMe1" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.

' that document to BeautifulSoup.' % decoded_markup

C:\ProgramData\Anaconda3\lib\site-packages\bs4__init__.py:335: UserWarning: "https://t.co/6n..." looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.

' that document to BeautifulSoup.' % decoded_markup

C:\ProgramData\Anaconda3\lib\site-packages\bs4__init__.py:335: UserWarning: "https://t.co/ydAbQgA7Yj" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.

' that document to BeautifulSoup.' % decoded_markup

C:\ProgramData\Anaconda3\lib\site-packages\bs4__init__.py:335: UserWarning: "https://t.co/wIm3J4vmpD..." looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.

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' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/5n18Lk7TcN" looks like a URL. BeautifulSoup is not an HTTP cl
  ient. You should probably use an HTTP client like requests to get the documen
  t behind the URL, and feed that document to BeautifulSoup.
' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/1YSqCRyT61" looks like a URL. BeautifulSoup is not an HTTP cl
  ient. You should probably use an HTTP client like requests to get the documen
  t behind the URL, and feed that document to BeautifulSoup.
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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/wPc9uD07pW" looks like a URL. BeautifulSoup is not an HTTP cl
  ient. You should probably use an HTTP client like requests to get the documen
  t behind the URL, and feed that document to BeautifulSoup.
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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/uqFU8N0kji" looks like a URL. BeautifulSoup is not an HTTP cl
  ient. You should probably use an HTTP client like requests to get the documen
  t behind the URL, and feed that document to BeautifulSoup.
' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/RC9sNwcm0S" looks like a URL. BeautifulSoup is not an HTTP cl
  ient. You should probably use an HTTP client like requests to get the documen
  t behind the URL, and feed that document to BeautifulSoup.
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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/a1tzvUekr1" looks like a URL. BeautifulSoup is not an HTTP cl
  ient. You should probably use an HTTP client like requests to get the documen
  t behind the URL, and feed that document to BeautifulSoup.
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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/R3apd1oieS" looks like a URL. BeautifulSoup is not an HTTP cl
  ient. You should probably use an HTTP client like requests to get the documen
  t behind the URL, and feed that document to BeautifulSoup.
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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/3Vegzw6VEy" looks like a URL. BeautifulSoup is not an HTTP cl
  ient. You should probably use an HTTP client like requests to get the documen
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  ient. You should probably use an HTTP client like requests to get the documen
  t behind the URL, and feed that document to BeautifulSoup.
' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/HR96Y..." looks like a URL. BeautifulSoup is not an HTTP clien
  t. You should probably use an HTTP client like requests to get the document b
  ehind the URL, and feed that document to BeautifulSoup.
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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
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"https://t.co/HecdurQMII" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
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"https://t.co/MePNV6rIQL" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
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  "https://t.co/Pk10nWSUqo" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/751lmffQW6" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
"https://t.co/NuPRmEUbzx" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
"https://t.co/RDGiNHsZlj" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document
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t behind the URL, and feed that document to BeautifulSoup.
' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/srdvL63tVC" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/pylB73MCKS" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/zYNNNqFGBG" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/8tsk6n7qoA" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/wWyJ7wAx7l" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/SzxFuSCbm1" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/wZ34KaTQKw" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/YscixLQwZo..." looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/vc20PkT1o8" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/ZQIkPnrXog" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/LGuu2xIgs3" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
' that document to BeautifulSoup.' % decoded_markup
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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/PwrTvySYdh" looks like a URL. Beautiful Soup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
  ' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/m7r7RwPq6U" looks like a URL. Beautiful Soup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/PP0dLv2Izv" looks like a URL. Beautiful Soup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/GNAUE1hQbD" looks like a URL. Beautiful Soup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/4zkHTJ3L0h" looks like a URL. Beautiful Soup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/RACSOg3fce" looks like a URL. Beautiful Soup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
  ' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/drWUeo99Cl" looks like a URL. Beautiful Soup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/ZlPkpUKupI" looks like a URL. Beautiful Soup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
  ' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/SwaL5JJlkj" looks like a URL. Beautiful Soup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
  ' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/EGrZnQ5CNE" looks like a URL. Beautiful Soup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
  ' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/AzjFbzZwSa" looks like a URL. Beautiful Soup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
  ' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/qeidCpg1T3" looks like a URL. Beautiful Soup is not an HTTP client.
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ient. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.

' that document to BeautifulSoup.' % decoded_markup

C:\ProgramData\Anaconda3\lib\site-packages\bs4__init__.py:335: UserWarning: "https://t.co/vlXH0TxxY0" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.

' that document to BeautifulSoup.' % decoded_markup

C:\ProgramData\Anaconda3\lib\site-packages\bs4__init__.py:335: UserWarning: "https://t.co/DsUJ9yuWbP" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.

' that document to BeautifulSoup.' % decoded_markup

C:\ProgramData\Anaconda3\lib\site-packages\bs4__init__.py:335: UserWarning: "https://t.co/bAM04uQe0a" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.

' that document to BeautifulSoup.' % decoded_markup

C:\ProgramData\Anaconda3\lib\site-packages\bs4__init__.py:335: UserWarning: "https://t.co/2TQ0RLOHhM" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.

' that document to BeautifulSoup.' % decoded_markup

C:\ProgramData\Anaconda3\lib\site-packages\bs4__init__.py:335: UserWarning: "https://t.co/BBtfuvDrkR" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.

' that document to BeautifulSoup.' % decoded_markup

C:\ProgramData\Anaconda3\lib\site-packages\bs4__init__.py:335: UserWarning: "https://t.co/qrHVuu6xIx" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.

' that document to BeautifulSoup.' % decoded_markup

C:\ProgramData\Anaconda3\lib\site-packages\bs4__init__.py:335: UserWarning: "https://t.co/fquPxNDb4m" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.

' that document to BeautifulSoup.' % decoded_markup

C:\ProgramData\Anaconda3\lib\site-packages\bs4__init__.py:335: UserWarning: "https://t.co/LqpUF7FkB9" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.

' that document to BeautifulSoup.' % decoded_markup

C:\ProgramData\Anaconda3\lib\site-packages\bs4__init__.py:335: UserWarning: "https://t.co/q03H7j4UH1" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.

' that document to BeautifulSoup.' % decoded_markup

C:\ProgramData\Anaconda3\lib\site-packages\bs4__init__.py:335: UserWarning: "https://t.co/HTCk0CJDlg" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.

' that document to BeautifulSoup.' % decoded_markup

C:\ProgramData\Anaconda3\lib\site-packages\bs4__init__.py:335: UserWarning: "https://t.co/R3rZtBd9Ip" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.

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' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/wpQR5vytj4" looks like a URL. BeautifulSoup is not an HTTP cl
  ient. You should probably use an HTTP client like requests to get the documen
  t behind the URL, and feed that document to BeautifulSoup.
' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/mEgt8p5RNv" looks like a URL. BeautifulSoup is not an HTTP cl
  ient. You should probably use an HTTP client like requests to get the documen
  t behind the URL, and feed that document to BeautifulSoup.
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  "https://t.co/4TvMUzeqv" looks like a URL. BeautifulSoup is not an HTTP cl
  ient. You should probably use an HTTP client like requests to get the documen
  t behind the URL, and feed that document to BeautifulSoup.
' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/CpBbh9D0Je" looks like a URL. BeautifulSoup is not an HTTP cl
  ient. You should probably use an HTTP client like requests to get the documen
  t behind the URL, and feed that document to BeautifulSoup.
' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/PVtfGKYSLJ" looks like a URL. BeautifulSoup is not an HTTP cl
  ient. You should probably use an HTTP client like requests to get the documen
  t behind the URL, and feed that document to BeautifulSoup.
' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/NfAtDvmNDC" looks like a URL. BeautifulSoup is not an HTTP cl
  ient. You should probably use an HTTP client like requests to get the documen
  t behind the URL, and feed that document to BeautifulSoup.
' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/sLzeUUqFQp" looks like a URL. BeautifulSoup is not an HTTP cl
  ient. You should probably use an HTTP client like requests to get the documen
  t behind the URL, and feed that document to BeautifulSoup.
' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/9oyCfoDOI8" looks like a URL. BeautifulSoup is not an HTTP cl
  ient. You should probably use an HTTP client like requests to get the documen
  t behind the URL, and feed that document to BeautifulSoup.
' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/nlXCmuo2Fb" looks like a URL. BeautifulSoup is not an HTTP cl
  ient. You should probably use an HTTP client like requests to get the documen
  t behind the URL, and feed that document to BeautifulSoup.
' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/sq6fw0RZYP" looks like a URL. BeautifulSoup is not an HTTP cl
  ient. You should probably use an HTTP client like requests to get the documen
  t behind the URL, and feed that document to BeautifulSoup.
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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/cpZ0dcq..." looks like a URL. BeautifulSoup is not an HTTP clie
  nt. You should probably use an HTTP client like requests to get the document
  behind the URL, and feed that document to BeautifulSoup.
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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
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C:\ProgramData\Anaconda3\lib\site-packages\bs4__init__.py:335: UserWarning: "https://t.co/s1v0r6gqW2" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.

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C:\ProgramData\Anaconda3\lib\site-packages\bs4__init__.py:335: UserWarning: "https://t.co/VmZoRzpaFV" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.

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C:\ProgramData\Anaconda3\lib\site-packages\bs4__init__.py:335: UserWarning: "https://t.co/DndFoqLyvv" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.

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C:\ProgramData\Anaconda3\lib\site-packages\bs4__init__.py:335: UserWarning: "https://t.co/jL6VdKupJR

For..." looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.

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C:\ProgramData\Anaconda3\lib\site-packages\bs4__init__.py:335: UserWarning: "https://t.co/MUzNeWbpyX" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.

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C:\ProgramData\Anaconda3\lib\site-packages\bs4__init__.py:335: UserWarning: "https://t.co/UhRRtqsc5y" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.

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C:\ProgramData\Anaconda3\lib\site-packages\bs4__init__.py:335: UserWarning: "https://t.co/CozxUVgFpr" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.

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C:\ProgramData\Anaconda3\lib\site-packages\bs4__init__.py:335: UserWarning: "https://t.co/4uTcakXIpl" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.

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C:\ProgramData\Anaconda3\lib\site-packages\bs4__init__.py:335: UserWarning: "https://t.co/PRXKc0yfjl" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document

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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/1LWJNB42SB" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/owDCJFyE30" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/GkIYL..." looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/7FFpE21muM" looks like a URL. Beautiful Soup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/TEHY5zAv7s" looks like a URL. BeautifulSoup is not an HTTP cl
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  "https://t.co/JrKempOieQ" looks like a URL. BeautifulSoup is not an HTTP cl
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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/OW4OSmGbtS" looks like a URL. BeautifulSoup is not an HTTP cl
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"https://t.co/Cn3fMvqfWd" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
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"https://t.co/D02oPM4DCr" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
"https://t.co/QP2hs9wJ1B" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
' that document to BeautifulSoup.' % decoded_markup
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"https://t.co/0KGtHxswPD" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
"https://t.co/nwCMdVYMB0" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
"https://t.co/EoaeEtfEgF" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
"https://t.co/OUMb2eTs24" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
"https://t.co/xbta0IVJJ9" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
"https://t.co/rm0376xJGW" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
"https://t.co/X85UnzOKQ4" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document
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t behind the URL, and feed that document to BeautifulSoup.
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  "https://t.co/rcUJzy7yXG" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/OHjXThcero" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
  "https://t.co/IdgxtJv5F" looks like a URL. BeautifulSoup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
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' that document to BeautifulSoup.' % decoded_markup
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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
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  "https://t.co/AFc9rtNt4s" looks like a URL. Beautiful Soup is not an HTTP client. You should probably use an HTTP client like requests to get the document behind the URL, and feed that document to BeautifulSoup.
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  "https://t.co/PW99rar7EG" looks like a URL. Beautiful Soup is not an HTTP client.
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ient. You should probably use an HTTP client like requests to get the document
behind the URL, and feed that document to BeautifulSoup.
' that document to BeautifulSoup.' % decoded_markup
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behind the URL, and feed that document to BeautifulSoup.
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behind the URL, and feed that document to BeautifulSoup.
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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
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behind the URL, and feed that document to BeautifulSoup.
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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
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#bitcoin" looks like a URL. BeautifulSoup is not an HTTP client. You should
probably use an HTTP client like requests to get the document behind the URL,
and feed that document to BeautifulSoup.
' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
"https://t.co/2cJO9QNst1" looks like a URL. BeautifulSoup is not an HTTP client.
You should probably use an HTTP client like requests to get the document
behind the URL, and feed that document to BeautifulSoup.
' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
"https://t.co/AGIXEVTpa8" looks like a URL. BeautifulSoup is not an HTTP client.
You should probably use an HTTP client like requests to get the document
behind the URL, and feed that document to BeautifulSoup.
' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
"https://t.co/XMm4UdKf7T" looks like a URL. BeautifulSoup is not an HTTP client.
You should probably use an HTTP client like requests to get the document
behind the URL, and feed that document to BeautifulSoup.
' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
"https://t.co/dQ90jkCS8y" looks like a URL. BeautifulSoup is not an HTTP client.
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behind the URL, and feed that document to BeautifulSoup.
' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
"https://t.co/RaOL3FzikW" looks like a URL. BeautifulSoup is not an HTTP client.
You should probably use an HTTP client like requests to get the document
behind the URL, and feed that document to BeautifulSoup.
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C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
"https://t.co/J8yxelP3aq" looks like a URL. BeautifulSoup is not an HTTP client.
You should probably use an HTTP client like requests to get the document
behind the URL, and feed that document to BeautifulSoup.
' that document to BeautifulSoup.' % decoded_markup
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:
"https://t.co/3NXrHfhHCr" looks like a URL. BeautifulSoup is not an HTTP client.
You should probably use an HTTP client like requests to get the document

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t behind the URL, and feed that document to BeautifulSoup.  
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ient. You should probably use an HTTP client like requests to get the documen  
t behind the URL, and feed that document to BeautifulSoup.  
    ' that document to BeautifulSoup.' % decoded_markup  
C:\ProgramData\Anaconda3\lib\site-packages\bs4\__init__.py:335: UserWarning:  
  "https://t.co/V8t9X3Yc49" looks like a URL. BeautifulSoup is not an HTTP cl  
ient. You should probably use an HTTP client like requests to get the documen  
t behind the URL, and feed that document to BeautifulSoup.  
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```
In [14]: # Importing the built-in logging module  
import logging  
logging.basicConfig(format='%(asctime)s : %(levelname)s : %(message)s', level=  
logging.INFO)
```

```
In [15]: # Creating the model and setting values for the various parameters
num_features = 300 # Word vector dimensionality
min_word_count = 40 # Minimum word count
num_workers = 4 # Number of parallel threads
context = 10 # Context window size
downsampling = 1e-3 # (0.001) Downsample setting for frequent words

# Initializing the train model
from gensim.models import word2vec
print("Training model....")
model = word2vec.Word2Vec(sentences,\
                          workers=num_workers,\
                          size=num_features,\
                          min_count=min_word_count,\
                          window=context,\
                          sample=downsampling)

# To make the model memory efficient
model.init_sims(replace=True)

# Saving the model for later use. Can be loaded using Word2Vec.load()
model_name = "300features_40minwords_10context.h5"
model.save(model_name)
```

```
C:\ProgramData\Anaconda3\lib\site-packages\gensim\models\base_any2vec.py:743:
UserWarning: C extension not loaded, training will be slow. Install a C compiler and reinstall gensim for fast training.
```

```
"C extension not loaded, training will be slow. "
```

```
2019-07-07 03:41:45,978 : INFO : collecting all words and their counts
```

```
2019-07-07 03:41:45,980 : INFO : PROGRESS: at sentence #0, processed 0 words,
keeping 0 word types
```

```
2019-07-07 03:41:46,012 : INFO : PROGRESS: at sentence #10000, processed 1161
88 words, keeping 12699 word types
```

```
2019-07-07 03:41:46,043 : INFO : PROGRESS: at sentence #20000, processed 2329
69 words, keeping 20111 word types
```

```
2019-07-07 03:41:46,083 : INFO : PROGRESS: at sentence #30000, processed 3508
38 words, keeping 26367 word types
```

```
2019-07-07 03:41:46,115 : INFO : PROGRESS: at sentence #40000, processed 4687
17 words, keeping 31894 word types
```

```
2019-07-07 03:41:46,146 : INFO : PROGRESS: at sentence #50000, processed 5862
47 words, keeping 37579 word types
```

```
Training model....
```


2019-07-07 03:41:46,180 : INFO : PROGRESS: at sentence #60000, processed 7042
07 words, keeping 42680 word types
2019-07-07 03:41:46,198 : INFO : collected 44897 word types from a corpus of
754783 raw words and 64348 sentences
2019-07-07 03:41:46,199 : INFO : Loading a fresh vocabulary
2019-07-07 03:41:46,221 : INFO : effective_min_count=40 retains 1604 unique w
ords (3% of original 44897, drops 43293)
2019-07-07 03:41:46,222 : INFO : effective_min_count=40 leaves 637303 word co
rpus (84% of original 754783, drops 117480)
2019-07-07 03:41:46,229 : INFO : deleting the raw counts dictionary of 44897
items
2019-07-07 03:41:46,232 : INFO : sample=0.001 downsamples 47 most-common word
s
2019-07-07 03:41:46,234 : INFO : downsampling leaves estimated 433879 word co
rpus (68.1% of prior 637303)
2019-07-07 03:41:46,253 : INFO : estimated required memory for 1604 words and
300 dimensions: 4651600 bytes
2019-07-07 03:41:46,255 : INFO : resetting layer weights
2019-07-07 03:41:46,281 : INFO : training model with 4 workers on 1604 vocabu
lary and 300 features, using sg=0 hs=0 sample=0.001 negative=5 window=10
2019-07-07 03:42:13,479 : INFO : EPOCH 1 - PROGRESS: at 1.33% examples, 210 w
ords/s, in_qsize 7, out_qsize 0
2019-07-07 03:42:15,194 : INFO : EPOCH 1 - PROGRESS: at 5.35% examples, 791 w
ords/s, in_qsize 7, out_qsize 0
2019-07-07 03:42:44,105 : INFO : EPOCH 1 - PROGRESS: at 6.68% examples, 493 w
ords/s, in_qsize 8, out_qsize 0
2019-07-07 03:42:46,004 : INFO : EPOCH 1 - PROGRESS: at 8.04% examples, 575 w
ords/s, in_qsize 8, out_qsize 0
2019-07-07 03:42:48,077 : INFO : EPOCH 1 - PROGRESS: at 9.45% examples, 650 w
ords/s, in_qsize 8, out_qsize 0
2019-07-07 03:42:49,340 : INFO : EPOCH 1 - PROGRESS: at 10.81% examples, 730
words/s, in_qsize 8, out_qsize 0
2019-07-07 03:43:13,633 : INFO : EPOCH 1 - PROGRESS: at 12.12% examples, 594
words/s, in_qsize 8, out_qsize 0
2019-07-07 03:43:14,725 : INFO : EPOCH 1 - PROGRESS: at 13.43% examples, 651
words/s, in_qsize 8, out_qsize 0
2019-07-07 03:43:16,326 : INFO : EPOCH 1 - PROGRESS: at 14.71% examples, 702
words/s, in_qsize 8, out_qsize 0
2019-07-07 03:43:18,059 : INFO : EPOCH 1 - PROGRESS: at 16.03% examples, 751
words/s, in_qsize 8, out_qsize 0
2019-07-07 03:43:39,707 : INFO : EPOCH 1 - PROGRESS: at 17.41% examples, 659
words/s, in_qsize 7, out_qsize 0
2019-07-07 03:43:42,147 : INFO : EPOCH 1 - PROGRESS: at 20.06% examples, 744
words/s, in_qsize 8, out_qsize 0
2019-07-07 03:43:44,237 : INFO : EPOCH 1 - PROGRESS: at 21.41% examples, 780
words/s, in_qsize 8, out_qsize 0
2019-07-07 03:44:04,317 : INFO : EPOCH 1 - PROGRESS: at 22.72% examples, 708
words/s, in_qsize 8, out_qsize 0
2019-07-07 03:44:07,180 : INFO : EPOCH 1 - PROGRESS: at 25.35% examples, 775
words/s, in_qsize 7, out_qsize 0
2019-07-07 03:44:09,644 : INFO : EPOCH 1 - PROGRESS: at 26.59% examples, 802
words/s, in_qsize 8, out_qsize 0
2019-07-07 03:44:28,957 : INFO : EPOCH 1 - PROGRESS: at 27.88% examples, 742
words/s, in_qsize 8, out_qsize 0
2019-07-07 03:44:32,172 : INFO : EPOCH 1 - PROGRESS: at 30.65% examples, 796
words/s, in_qsize 7, out_qsize 0
2019-07-07 03:44:35,236 : INFO : EPOCH 1 - PROGRESS: at 31.99% examples, 816

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words/s, in_qsize 8, out_qsize 0
2019-07-07 03:44:54,133 : INFO : EPOCH 1 - PROGRESS: at 33.30% examples, 765
words/s, in_qsize 8, out_qsize 0
2019-07-07 03:44:55,932 : INFO : EPOCH 1 - PROGRESS: at 34.64% examples, 789
words/s, in_qsize 8, out_qsize 0
2019-07-07 03:45:01,254 : INFO : EPOCH 1 - PROGRESS: at 37.23% examples, 826
words/s, in_qsize 8, out_qsize 0
2019-07-07 03:45:19,631 : INFO : EPOCH 1 - PROGRESS: at 38.57% examples, 781
words/s, in_qsize 8, out_qsize 0
2019-07-07 03:45:23,156 : INFO : EPOCH 1 - PROGRESS: at 39.88% examples, 795
words/s, in_qsize 8, out_qsize 0
2019-07-07 03:45:27,846 : INFO : EPOCH 1 - PROGRESS: at 42.52% examples, 830
words/s, in_qsize 8, out_qsize 0
2019-07-07 03:45:45,361 : INFO : EPOCH 1 - PROGRESS: at 43.86% examples, 794
words/s, in_qsize 7, out_qsize 0
2019-07-07 03:45:48,893 : INFO : EPOCH 1 - PROGRESS: at 45.16% examples, 806
words/s, in_qsize 7, out_qsize 0
2019-07-07 03:45:54,495 : INFO : EPOCH 1 - PROGRESS: at 47.83% examples, 835
words/s, in_qsize 8, out_qsize 0
2019-07-07 03:46:11,292 : INFO : EPOCH 1 - PROGRESS: at 49.10% examples, 803
words/s, in_qsize 8, out_qsize 0
2019-07-07 03:46:15,471 : INFO : EPOCH 1 - PROGRESS: at 50.36% examples, 812
words/s, in_qsize 8, out_qsize 0
2019-07-07 03:46:23,044 : INFO : EPOCH 1 - PROGRESS: at 53.01% examples, 832
words/s, in_qsize 8, out_qsize 0
2019-07-07 03:46:39,045 : INFO : EPOCH 1 - PROGRESS: at 54.37% examples, 806
words/s, in_qsize 8, out_qsize 0
2019-07-07 03:46:42,731 : INFO : EPOCH 1 - PROGRESS: at 55.70% examples, 816
words/s, in_qsize 7, out_qsize 0
2019-07-07 03:46:48,645 : INFO : EPOCH 1 - PROGRESS: at 58.31% examples, 837
words/s, in_qsize 8, out_qsize 0
2019-07-07 03:47:04,921 : INFO : EPOCH 1 - PROGRESS: at 59.60% examples, 813
words/s, in_qsize 7, out_qsize 0
2019-07-07 03:47:09,327 : INFO : EPOCH 1 - PROGRESS: at 60.96% examples, 820
words/s, in_qsize 8, out_qsize 0
2019-07-07 03:47:15,778 : INFO : EPOCH 1 - PROGRESS: at 63.57% examples, 839
words/s, in_qsize 7, out_qsize 0
2019-07-07 03:47:32,615 : INFO : EPOCH 1 - PROGRESS: at 64.89% examples, 814
words/s, in_qsize 7, out_qsize 0
2019-07-07 03:47:36,536 : INFO : EPOCH 1 - PROGRESS: at 66.20% examples, 821
words/s, in_qsize 8, out_qsize 0
2019-07-07 03:47:43,032 : INFO : EPOCH 1 - PROGRESS: at 68.88% examples, 839
words/s, in_qsize 8, out_qsize 0
2019-07-07 03:47:58,600 : INFO : EPOCH 1 - PROGRESS: at 70.19% examples, 819
words/s, in_qsize 8, out_qsize 0
2019-07-07 03:48:03,800 : INFO : EPOCH 1 - PROGRESS: at 71.51% examples, 823
words/s, in_qsize 8, out_qsize 0
2019-07-07 03:48:09,501 : INFO : EPOCH 1 - PROGRESS: at 74.24% examples, 841
words/s, in_qsize 8, out_qsize 0
2019-07-07 03:48:23,852 : INFO : EPOCH 1 - PROGRESS: at 75.55% examples, 825
words/s, in_qsize 8, out_qsize 0
2019-07-07 03:48:29,005 : INFO : EPOCH 1 - PROGRESS: at 76.77% examples, 828
words/s, in_qsize 8, out_qsize 0
2019-07-07 03:48:34,413 : INFO : EPOCH 1 - PROGRESS: at 79.40% examples, 845
words/s, in_qsize 8, out_qsize 0
2019-07-07 03:48:49,256 : INFO : EPOCH 1 - PROGRESS: at 80.72% examples, 829
words/s, in_qsize 7, out_qsize 0
```

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2019-07-07 03:48:54,296 : INFO : EPOCH 1 - PROGRESS: at 82.03% examples, 832
words/s, in_qsize 8, out_qsize 0
2019-07-07 03:48:59,932 : INFO : EPOCH 1 - PROGRESS: at 84.69% examples, 848
words/s, in_qsize 8, out_qsize 0
2019-07-07 03:49:14,638 : INFO : EPOCH 1 - PROGRESS: at 86.02% examples, 833
words/s, in_qsize 8, out_qsize 0
2019-07-07 03:49:19,734 : INFO : EPOCH 1 - PROGRESS: at 87.35% examples, 836
words/s, in_qsize 8, out_qsize 0
2019-07-07 03:49:21,863 : INFO : EPOCH 1 - PROGRESS: at 88.68% examples, 845
words/s, in_qsize 7, out_qsize 0
2019-07-07 03:49:29,631 : INFO : EPOCH 1 - PROGRESS: at 90.03% examples, 843
words/s, in_qsize 8, out_qsize 0
2019-07-07 03:49:44,788 : INFO : EPOCH 1 - PROGRESS: at 91.34% examples, 829
words/s, in_qsize 7, out_qsize 0
2019-07-07 03:49:51,606 : INFO : EPOCH 1 - PROGRESS: at 92.62% examples, 829
words/s, in_qsize 6, out_qsize 0
2019-07-07 03:49:53,026 : INFO : EPOCH 1 - PROGRESS: at 93.95% examples, 838
words/s, in_qsize 5, out_qsize 0
2019-07-07 03:49:59,889 : INFO : EPOCH 1 - PROGRESS: at 95.28% examples, 838
words/s, in_qsize 4, out_qsize 0
2019-07-07 03:50:11,644 : INFO : EPOCH 1 - PROGRESS: at 96.61% examples, 830
words/s, in_qsize 3, out_qsize 1
2019-07-07 03:50:11,647 : INFO : worker thread finished; awaiting finish of 3
more threads
2019-07-07 03:50:12,757 : INFO : EPOCH 1 - PROGRESS: at 97.31% examples, 834
words/s, in_qsize 2, out_qsize 1
2019-07-07 03:50:12,763 : INFO : worker thread finished; awaiting finish of 2
more threads
2019-07-07 03:50:14,142 : INFO : EPOCH 1 - PROGRESS: at 98.64% examples, 843
words/s, in_qsize 1, out_qsize 1
2019-07-07 03:50:14,149 : INFO : worker thread finished; awaiting finish of 1
more threads
2019-07-07 03:50:14,180 : INFO : worker thread finished; awaiting finish of 0
more threads
2019-07-07 03:50:14,182 : INFO : EPOCH - 1 : training on 754783 raw words (43
3710 effective words) took 507.9s, 854 effective words/s
2019-07-07 03:50:37,848 : INFO : EPOCH 2 - PROGRESS: at 1.37% examples, 236 w
ords/s, in_qsize 7, out_qsize 0
2019-07-07 03:50:38,871 : INFO : EPOCH 2 - PROGRESS: at 5.35% examples, 923 w
ords/s, in_qsize 8, out_qsize 0
2019-07-07 03:51:02,173 : INFO : EPOCH 2 - PROGRESS: at 6.68% examples, 592 w
ords/s, in_qsize 7, out_qsize 0
2019-07-07 03:51:03,717 : INFO : EPOCH 2 - PROGRESS: at 8.09% examples, 691 w
ords/s, in_qsize 8, out_qsize 0
2019-07-07 03:51:35,488 : INFO : EPOCH 2 - PROGRESS: at 12.12% examples, 638
words/s, in_qsize 8, out_qsize 0
2019-07-07 03:51:37,135 : INFO : EPOCH 2 - PROGRESS: at 13.44% examples, 694
words/s, in_qsize 7, out_qsize 0
2019-07-07 03:51:38,193 : INFO : EPOCH 2 - PROGRESS: at 14.72% examples, 752
words/s, in_qsize 7, out_qsize 0
2019-07-07 03:52:01,441 : INFO : EPOCH 2 - PROGRESS: at 17.41% examples, 696
words/s, in_qsize 7, out_qsize 0
2019-07-07 03:52:02,871 : INFO : EPOCH 2 - PROGRESS: at 18.75% examples, 739
words/s, in_qsize 7, out_qsize 0
2019-07-07 03:52:04,309 : INFO : EPOCH 2 - PROGRESS: at 20.06% examples, 782
words/s, in_qsize 8, out_qsize 0
2019-07-07 03:52:27,344 : INFO : EPOCH 2 - PROGRESS: at 22.72% examples, 733
```

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words/s, in_qsize 8, out_qsize 0
2019-07-07 03:52:29,922 : INFO : EPOCH 2 - PROGRESS: at 25.35% examples, 804
words/s, in_qsize 8, out_qsize 0
2019-07-07 03:52:52,853 : INFO : EPOCH 2 - PROGRESS: at 27.88% examples, 760
words/s, in_qsize 8, out_qsize 0
2019-07-07 03:52:54,034 : INFO : EPOCH 2 - PROGRESS: at 29.31% examples, 791
words/s, in_qsize 8, out_qsize 0
2019-07-07 03:52:56,021 : INFO : EPOCH 2 - PROGRESS: at 30.65% examples, 816
words/s, in_qsize 7, out_qsize 0
2019-07-07 03:52:57,031 : INFO : EPOCH 2 - PROGRESS: at 31.99% examples, 847
words/s, in_qsize 7, out_qsize 0
2019-07-07 03:53:22,667 : INFO : EPOCH 2 - PROGRESS: at 33.30% examples, 763
words/s, in_qsize 8, out_qsize 0
2019-07-07 03:53:24,113 : INFO : EPOCH 2 - PROGRESS: at 34.64% examples, 788
words/s, in_qsize 7, out_qsize 0
2019-07-07 03:53:26,591 : INFO : EPOCH 2 - PROGRESS: at 37.23% examples, 837
words/s, in_qsize 7, out_qsize 0
2019-07-07 03:53:48,423 : INFO : EPOCH 2 - PROGRESS: at 38.57% examples, 778
words/s, in_qsize 8, out_qsize 0
2019-07-07 03:53:50,762 : INFO : EPOCH 2 - PROGRESS: at 39.88% examples, 796
words/s, in_qsize 8, out_qsize 0
2019-07-07 03:53:52,643 : INFO : EPOCH 2 - PROGRESS: at 42.52% examples, 842
words/s, in_qsize 8, out_qsize 0
2019-07-07 03:54:12,809 : INFO : EPOCH 2 - PROGRESS: at 43.86% examples, 795
words/s, in_qsize 7, out_qsize 0
2019-07-07 03:54:14,453 : INFO : EPOCH 2 - PROGRESS: at 45.16% examples, 814
words/s, in_qsize 8, out_qsize 0
2019-07-07 03:54:16,656 : INFO : EPOCH 2 - PROGRESS: at 47.83% examples, 854
words/s, in_qsize 8, out_qsize 0
2019-07-07 03:54:36,673 : INFO : EPOCH 2 - PROGRESS: at 49.10% examples, 811
words/s, in_qsize 8, out_qsize 0
2019-07-07 03:54:37,933 : INFO : EPOCH 2 - PROGRESS: at 50.36% examples, 829
words/s, in_qsize 8, out_qsize 0
2019-07-07 03:54:39,076 : INFO : EPOCH 2 - PROGRESS: at 51.73% examples, 847
words/s, in_qsize 8, out_qsize 0
2019-07-07 03:54:40,565 : INFO : EPOCH 2 - PROGRESS: at 53.01% examples, 864
words/s, in_qsize 8, out_qsize 0
2019-07-07 03:55:01,283 : INFO : EPOCH 2 - PROGRESS: at 54.37% examples, 821
words/s, in_qsize 7, out_qsize 0
2019-07-07 03:55:03,170 : INFO : EPOCH 2 - PROGRESS: at 55.70% examples, 836
words/s, in_qsize 8, out_qsize 0
2019-07-07 03:55:04,224 : INFO : EPOCH 2 - PROGRESS: at 57.01% examples, 853
words/s, in_qsize 8, out_qsize 0
2019-07-07 03:55:06,133 : INFO : EPOCH 2 - PROGRESS: at 58.31% examples, 867
words/s, in_qsize 7, out_qsize 0
2019-07-07 03:55:30,299 : INFO : EPOCH 2 - PROGRESS: at 59.60% examples, 819
words/s, in_qsize 7, out_qsize 0
2019-07-07 03:55:31,429 : INFO : EPOCH 2 - PROGRESS: at 62.28% examples, 852
words/s, in_qsize 8, out_qsize 0
2019-07-07 03:55:32,755 : INFO : EPOCH 2 - PROGRESS: at 63.57% examples, 866
words/s, in_qsize 8, out_qsize 0
2019-07-07 03:55:55,743 : INFO : EPOCH 2 - PROGRESS: at 64.89% examples, 825
words/s, in_qsize 8, out_qsize 0
2019-07-07 03:55:57,829 : INFO : EPOCH 2 - PROGRESS: at 68.88% examples, 870
words/s, in_qsize 7, out_qsize 0
2019-07-07 03:56:19,139 : INFO : EPOCH 2 - PROGRESS: at 70.19% examples, 835
words/s, in_qsize 8, out_qsize 0
```

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2019-07-07 03:56:20,387 : INFO : EPOCH 2 - PROGRESS: at 71.51% examples, 848
words/s, in_qsize 7, out_qsize 0
2019-07-07 03:56:42,061 : INFO : EPOCH 2 - PROGRESS: at 75.55% examples, 845
words/s, in_qsize 8, out_qsize 0
2019-07-07 03:56:43,611 : INFO : EPOCH 2 - PROGRESS: at 76.90% examples, 856
words/s, in_qsize 8, out_qsize 0
2019-07-07 03:57:05,374 : INFO : EPOCH 2 - PROGRESS: at 80.72% examples, 852
words/s, in_qsize 8, out_qsize 0
2019-07-07 03:57:06,778 : INFO : EPOCH 2 - PROGRESS: at 82.03% examples, 863
words/s, in_qsize 7, out_qsize 0
2019-07-07 03:57:29,952 : INFO : EPOCH 2 - PROGRESS: at 86.02% examples, 857
words/s, in_qsize 8, out_qsize 0
2019-07-07 03:57:31,138 : INFO : EPOCH 2 - PROGRESS: at 88.69% examples, 880
words/s, in_qsize 7, out_qsize 0
2019-07-07 03:57:53,839 : INFO : EPOCH 2 - PROGRESS: at 91.31% examples, 862
words/s, in_qsize 7, out_qsize 0
2019-07-07 03:57:54,898 : INFO : EPOCH 2 - PROGRESS: at 93.95% examples, 885
words/s, in_qsize 5, out_qsize 0
2019-07-07 03:58:08,437 : INFO : EPOCH 2 - PROGRESS: at 95.98% examples, 878
words/s, in_qsize 3, out_qsize 1
2019-07-07 03:58:08,441 : INFO : worker thread finished; awaiting finish of 3
more threads
2019-07-07 03:58:15,275 : INFO : EPOCH 2 - PROGRESS: at 97.31% examples, 878
words/s, in_qsize 2, out_qsize 1
2019-07-07 03:58:15,282 : INFO : worker thread finished; awaiting finish of 2
more threads
2019-07-07 03:58:15,348 : INFO : worker thread finished; awaiting finish of 1
more threads
2019-07-07 03:58:15,356 : INFO : worker thread finished; awaiting finish of 0
more threads
2019-07-07 03:58:15,358 : INFO : EPOCH - 2 : training on 754783 raw words (43
3639 effective words) took 481.2s, 901 effective words/s
2019-07-07 03:58:38,328 : INFO : EPOCH 3 - PROGRESS: at 1.37% examples, 244 w
ords/s, in_qsize 8, out_qsize 0
2019-07-07 03:59:01,482 : INFO : EPOCH 3 - PROGRESS: at 6.68% examples, 617 w
ords/s, in_qsize 8, out_qsize 0
2019-07-07 03:59:02,553 : INFO : EPOCH 3 - PROGRESS: at 9.45% examples, 851 w
ords/s, in_qsize 7, out_qsize 0
2019-07-07 03:59:26,153 : INFO : EPOCH 3 - PROGRESS: at 12.12% examples, 734
words/s, in_qsize 8, out_qsize 0
2019-07-07 03:59:27,501 : INFO : EPOCH 3 - PROGRESS: at 16.03% examples, 957
words/s, in_qsize 8, out_qsize 0
2019-07-07 03:59:48,991 : INFO : EPOCH 3 - PROGRESS: at 17.37% examples, 798
words/s, in_qsize 7, out_qsize 0
2019-07-07 03:59:50,040 : INFO : EPOCH 3 - PROGRESS: at 20.06% examples, 912
words/s, in_qsize 7, out_qsize 0
2019-07-07 03:59:51,175 : INFO : EPOCH 3 - PROGRESS: at 21.41% examples, 961
words/s, in_qsize 8, out_qsize 0
2019-07-07 04:00:12,147 : INFO : EPOCH 3 - PROGRESS: at 22.72% examples, 838
words/s, in_qsize 8, out_qsize 0
2019-07-07 04:00:13,768 : INFO : EPOCH 3 - PROGRESS: at 25.35% examples, 923
words/s, in_qsize 7, out_qsize 0
2019-07-07 04:00:14,897 : INFO : EPOCH 3 - PROGRESS: at 26.59% examples, 963
words/s, in_qsize 7, out_qsize 0
2019-07-07 04:00:40,939 : INFO : EPOCH 3 - PROGRESS: at 28.02% examples, 830
words/s, in_qsize 8, out_qsize 0
2019-07-07 04:00:42,760 : INFO : EPOCH 3 - PROGRESS: at 30.65% examples, 898
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words/s, in_qsize 7, out_qsize 0
2019-07-07 04:00:44,636 : INFO : EPOCH 3 - PROGRESS: at 31.99% examples, 926
words/s, in_qsize 7, out_qsize 0
2019-07-07 04:01:04,745 : INFO : EPOCH 3 - PROGRESS: at 33.30% examples, 850
words/s, in_qsize 8, out_qsize 0
2019-07-07 04:01:05,824 : INFO : EPOCH 3 - PROGRESS: at 35.93% examples, 912
words/s, in_qsize 7, out_qsize 0
2019-07-07 04:01:07,985 : INFO : EPOCH 3 - PROGRESS: at 37.23% examples, 935
words/s, in_qsize 8, out_qsize 0
2019-07-07 04:01:28,166 : INFO : EPOCH 3 - PROGRESS: at 38.57% examples, 866
words/s, in_qsize 8, out_qsize 0
2019-07-07 04:01:29,274 : INFO : EPOCH 3 - PROGRESS: at 39.88% examples, 890
words/s, in_qsize 7, out_qsize 0
2019-07-07 04:01:30,545 : INFO : EPOCH 3 - PROGRESS: at 41.22% examples, 915
words/s, in_qsize 8, out_qsize 0
2019-07-07 04:01:32,670 : INFO : EPOCH 3 - PROGRESS: at 42.52% examples, 934
words/s, in_qsize 7, out_qsize 0
2019-07-07 04:01:53,810 : INFO : EPOCH 3 - PROGRESS: at 43.86% examples, 870
words/s, in_qsize 8, out_qsize 0
2019-07-07 04:01:55,482 : INFO : EPOCH 3 - PROGRESS: at 46.49% examples, 916
words/s, in_qsize 8, out_qsize 0
2019-07-07 04:01:58,199 : INFO : EPOCH 3 - PROGRESS: at 47.83% examples, 931
words/s, in_qsize 7, out_qsize 0
2019-07-07 04:02:17,063 : INFO : EPOCH 3 - PROGRESS: at 49.10% examples, 882
words/s, in_qsize 7, out_qsize 0
2019-07-07 04:02:19,183 : INFO : EPOCH 3 - PROGRESS: at 51.73% examples, 921
words/s, in_qsize 8, out_qsize 0
2019-07-07 04:02:21,660 : INFO : EPOCH 3 - PROGRESS: at 53.01% examples, 935
words/s, in_qsize 7, out_qsize 0
2019-07-07 04:02:40,191 : INFO : EPOCH 3 - PROGRESS: at 54.37% examples, 891
words/s, in_qsize 7, out_qsize 0
2019-07-07 04:02:41,785 : INFO : EPOCH 3 - PROGRESS: at 57.01% examples, 929
words/s, in_qsize 8, out_qsize 0
2019-07-07 04:02:44,325 : INFO : EPOCH 3 - PROGRESS: at 58.31% examples, 942
words/s, in_qsize 7, out_qsize 0
2019-07-07 04:03:03,643 : INFO : EPOCH 3 - PROGRESS: at 59.68% examples, 898
words/s, in_qsize 8, out_qsize 0
2019-07-07 04:03:04,970 : INFO : EPOCH 3 - PROGRESS: at 60.96% examples, 914
words/s, in_qsize 7, out_qsize 0
2019-07-07 04:03:06,123 : INFO : EPOCH 3 - PROGRESS: at 62.28% examples, 931
words/s, in_qsize 8, out_qsize 0
2019-07-07 04:03:09,034 : INFO : EPOCH 3 - PROGRESS: at 63.57% examples, 941
words/s, in_qsize 8, out_qsize 0
2019-07-07 04:03:29,136 : INFO : EPOCH 3 - PROGRESS: at 64.89% examples, 899
words/s, in_qsize 8, out_qsize 0
2019-07-07 04:03:30,592 : INFO : EPOCH 3 - PROGRESS: at 66.20% examples, 913
words/s, in_qsize 8, out_qsize 0
2019-07-07 04:03:31,929 : INFO : EPOCH 3 - PROGRESS: at 67.55% examples, 927
words/s, in_qsize 7, out_qsize 0
2019-07-07 04:03:34,600 : INFO : EPOCH 3 - PROGRESS: at 68.88% examples, 937
words/s, in_qsize 8, out_qsize 0
2019-07-07 04:03:53,045 : INFO : EPOCH 3 - PROGRESS: at 70.19% examples, 903
words/s, in_qsize 8, out_qsize 0
2019-07-07 04:03:55,684 : INFO : EPOCH 3 - PROGRESS: at 71.51% examples, 913
words/s, in_qsize 7, out_qsize 0
2019-07-07 04:03:59,001 : INFO : EPOCH 3 - PROGRESS: at 74.24% examples, 937
words/s, in_qsize 8, out_qsize 0
```

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2019-07-07 04:04:16,638 : INFO : EPOCH 3 - PROGRESS: at 75.55% examples, 907
words/s, in_qsize 8, out_qsize 0
2019-07-07 04:04:20,075 : INFO : EPOCH 3 - PROGRESS: at 76.90% examples, 915
words/s, in_qsize 8, out_qsize 0
2019-07-07 04:04:22,831 : INFO : EPOCH 3 - PROGRESS: at 79.40% examples, 939
words/s, in_qsize 8, out_qsize 0
2019-07-07 04:04:40,470 : INFO : EPOCH 3 - PROGRESS: at 80.72% examples, 911
words/s, in_qsize 7, out_qsize 0
2019-07-07 04:04:44,299 : INFO : EPOCH 3 - PROGRESS: at 82.03% examples, 916
words/s, in_qsize 7, out_qsize 0
2019-07-07 04:04:46,900 : INFO : EPOCH 3 - PROGRESS: at 84.69% examples, 939
words/s, in_qsize 8, out_qsize 0
2019-07-07 04:05:04,240 : INFO : EPOCH 3 - PROGRESS: at 86.02% examples, 913
words/s, in_qsize 8, out_qsize 0
2019-07-07 04:05:08,060 : INFO : EPOCH 3 - PROGRESS: at 87.35% examples, 919
words/s, in_qsize 7, out_qsize 0
2019-07-07 04:05:09,848 : INFO : EPOCH 3 - PROGRESS: at 88.68% examples, 929
words/s, in_qsize 8, out_qsize 0
2019-07-07 04:05:11,620 : INFO : EPOCH 3 - PROGRESS: at 90.03% examples, 939
words/s, in_qsize 7, out_qsize 0
2019-07-07 04:05:30,590 : INFO : EPOCH 3 - PROGRESS: at 91.34% examples, 911
words/s, in_qsize 7, out_qsize 0
2019-07-07 04:05:34,813 : INFO : EPOCH 3 - PROGRESS: at 92.62% examples, 915
words/s, in_qsize 6, out_qsize 0
2019-07-07 04:05:36,262 : INFO : EPOCH 3 - PROGRESS: at 93.95% examples, 926
words/s, in_qsize 5, out_qsize 0
2019-07-07 04:05:37,530 : INFO : EPOCH 3 - PROGRESS: at 95.28% examples, 936
words/s, in_qsize 4, out_qsize 0
2019-07-07 04:05:50,016 : INFO : EPOCH 3 - PROGRESS: at 95.98% examples, 917
words/s, in_qsize 3, out_qsize 1
2019-07-07 04:05:50,019 : INFO : worker thread finished; awaiting finish of 3
more threads
2019-07-07 04:05:52,974 : INFO : EPOCH 3 - PROGRESS: at 97.31% examples, 924
words/s, in_qsize 2, out_qsize 1
2019-07-07 04:05:52,978 : INFO : worker thread finished; awaiting finish of 2
more threads
2019-07-07 04:05:54,105 : INFO : EPOCH 3 - PROGRESS: at 98.64% examples, 934
words/s, in_qsize 1, out_qsize 1
2019-07-07 04:05:54,110 : INFO : worker thread finished; awaiting finish of 1
more threads
2019-07-07 04:05:54,169 : INFO : worker thread finished; awaiting finish of 0
more threads
2019-07-07 04:05:54,170 : INFO : EPOCH - 3 : training on 754783 raw words (43
3940 effective words) took 458.8s, 946 effective words/s
2019-07-07 04:06:17,741 : INFO : EPOCH 4 - PROGRESS: at 1.33% examples, 239 w
ords/s, in_qsize 7, out_qsize 0
2019-07-07 04:06:18,939 : INFO : EPOCH 4 - PROGRESS: at 5.35% examples, 918 w
ords/s, in_qsize 8, out_qsize 0
2019-07-07 04:06:40,695 : INFO : EPOCH 4 - PROGRESS: at 6.68% examples, 610 w
ords/s, in_qsize 7, out_qsize 0
2019-07-07 04:06:41,969 : INFO : EPOCH 4 - PROGRESS: at 9.45% examples, 839 w
ords/s, in_qsize 7, out_qsize 0
2019-07-07 04:06:43,066 : INFO : EPOCH 4 - PROGRESS: at 10.81% examples, 941
words/s, in_qsize 8, out_qsize 0
2019-07-07 04:07:04,300 : INFO : EPOCH 4 - PROGRESS: at 12.12% examples, 739
words/s, in_qsize 8, out_qsize 0
2019-07-07 04:07:06,652 : INFO : EPOCH 4 - PROGRESS: at 16.03% examples, 951
```

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words/s, in_qsize 8, out_qsize 0
2019-07-07 04:07:28,520 : INFO : EPOCH 4 - PROGRESS: at 17.41% examples, 792
words/s, in_qsize 8, out_qsize 0
2019-07-07 04:07:31,299 : INFO : EPOCH 4 - PROGRESS: at 21.41% examples, 948
words/s, in_qsize 7, out_qsize 0
2019-07-07 04:07:51,393 : INFO : EPOCH 4 - PROGRESS: at 22.72% examples, 835
words/s, in_qsize 8, out_qsize 0
2019-07-07 04:07:52,983 : INFO : EPOCH 4 - PROGRESS: at 25.35% examples, 920
words/s, in_qsize 8, out_qsize 0
2019-07-07 04:07:54,523 : INFO : EPOCH 4 - PROGRESS: at 26.59% examples, 956
words/s, in_qsize 8, out_qsize 0
2019-07-07 04:08:14,015 : INFO : EPOCH 4 - PROGRESS: at 28.02% examples, 864
words/s, in_qsize 7, out_qsize 0
2019-07-07 04:08:16,016 : INFO : EPOCH 4 - PROGRESS: at 30.65% examples, 932
words/s, in_qsize 8, out_qsize 0
2019-07-07 04:08:17,801 : INFO : EPOCH 4 - PROGRESS: at 31.99% examples, 961
words/s, in_qsize 7, out_qsize 0
2019-07-07 04:08:37,090 : INFO : EPOCH 4 - PROGRESS: at 33.30% examples, 883
words/s, in_qsize 8, out_qsize 0
2019-07-07 04:08:38,588 : INFO : EPOCH 4 - PROGRESS: at 35.93% examples, 944
words/s, in_qsize 7, out_qsize 0
2019-07-07 04:08:41,525 : INFO : EPOCH 4 - PROGRESS: at 37.23% examples, 963
words/s, in_qsize 7, out_qsize 0
2019-07-07 04:08:59,068 : INFO : EPOCH 4 - PROGRESS: at 38.57% examples, 901
words/s, in_qsize 8, out_qsize 0
2019-07-07 04:09:00,313 : INFO : EPOCH 4 - PROGRESS: at 39.88% examples, 926
words/s, in_qsize 7, out_qsize 0
2019-07-07 04:09:02,099 : INFO : EPOCH 4 - PROGRESS: at 41.22% examples, 948
words/s, in_qsize 8, out_qsize 0
2019-07-07 04:09:04,378 : INFO : EPOCH 4 - PROGRESS: at 42.52% examples, 967
words/s, in_qsize 8, out_qsize 0
2019-07-07 04:09:23,640 : INFO : EPOCH 4 - PROGRESS: at 43.86% examples, 906
words/s, in_qsize 7, out_qsize 0
2019-07-07 04:09:26,724 : INFO : EPOCH 4 - PROGRESS: at 46.49% examples, 947
words/s, in_qsize 8, out_qsize 0
2019-07-07 04:09:29,397 : INFO : EPOCH 4 - PROGRESS: at 47.83% examples, 963
words/s, in_qsize 8, out_qsize 0
2019-07-07 04:09:46,315 : INFO : EPOCH 4 - PROGRESS: at 49.10% examples, 917
words/s, in_qsize 8, out_qsize 0
2019-07-07 04:09:49,993 : INFO : EPOCH 4 - PROGRESS: at 51.73% examples, 952
words/s, in_qsize 7, out_qsize 0
2019-07-07 04:09:52,733 : INFO : EPOCH 4 - PROGRESS: at 53.01% examples, 965
words/s, in_qsize 8, out_qsize 0
2019-07-07 04:10:08,867 : INFO : EPOCH 4 - PROGRESS: at 54.37% examples, 926
words/s, in_qsize 8, out_qsize 0
2019-07-07 04:10:10,126 : INFO : EPOCH 4 - PROGRESS: at 55.70% examples, 945
words/s, in_qsize 8, out_qsize 0
2019-07-07 04:10:13,191 : INFO : EPOCH 4 - PROGRESS: at 57.01% examples, 955
words/s, in_qsize 8, out_qsize 0
2019-07-07 04:10:15,733 : INFO : EPOCH 4 - PROGRESS: at 58.31% examples, 968
words/s, in_qsize 8, out_qsize 0
2019-07-07 04:10:31,960 : INFO : EPOCH 4 - PROGRESS: at 59.60% examples, 932
words/s, in_qsize 8, out_qsize 0
2019-07-07 04:10:36,460 : INFO : EPOCH 4 - PROGRESS: at 62.28% examples, 958
words/s, in_qsize 8, out_qsize 0
2019-07-07 04:10:38,977 : INFO : EPOCH 4 - PROGRESS: at 63.57% examples, 970
words/s, in_qsize 8, out_qsize 0
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2019-07-07 04:10:54,852 : INFO : EPOCH 4 - PROGRESS: at 64.89% examples, 938
words/s, in_qsize 7, out_qsize 0
2019-07-07 04:10:59,591 : INFO : EPOCH 4 - PROGRESS: at 67.55% examples, 961
words/s, in_qsize 7, out_qsize 0
2019-07-07 04:11:01,991 : INFO : EPOCH 4 - PROGRESS: at 68.88% examples, 972
words/s, in_qsize 8, out_qsize 0
2019-07-07 04:11:17,686 : INFO : EPOCH 4 - PROGRESS: at 70.19% examples, 942
words/s, in_qsize 7, out_qsize 0
2019-07-07 04:11:19,190 : INFO : EPOCH 4 - PROGRESS: at 71.51% examples, 956
words/s, in_qsize 8, out_qsize 0
2019-07-07 04:11:23,475 : INFO : EPOCH 4 - PROGRESS: at 72.86% examples, 961
words/s, in_qsize 7, out_qsize 0
2019-07-07 04:11:26,226 : INFO : EPOCH 4 - PROGRESS: at 74.24% examples, 970
words/s, in_qsize 8, out_qsize 0
2019-07-07 04:11:40,559 : INFO : EPOCH 4 - PROGRESS: at 75.55% examples, 946
words/s, in_qsize 8, out_qsize 0
2019-07-07 04:11:42,137 : INFO : EPOCH 4 - PROGRESS: at 76.90% examples, 958
words/s, in_qsize 8, out_qsize 0
2019-07-07 04:11:46,802 : INFO : EPOCH 4 - PROGRESS: at 78.12% examples, 962
words/s, in_qsize 7, out_qsize 0
2019-07-07 04:11:49,103 : INFO : EPOCH 4 - PROGRESS: at 79.40% examples, 972
words/s, in_qsize 7, out_qsize 0
2019-07-07 04:12:03,399 : INFO : EPOCH 4 - PROGRESS: at 80.72% examples, 950
words/s, in_qsize 7, out_qsize 0
2019-07-07 04:12:04,513 : INFO : EPOCH 4 - PROGRESS: at 82.03% examples, 962
words/s, in_qsize 7, out_qsize 0
2019-07-07 04:12:09,885 : INFO : EPOCH 4 - PROGRESS: at 83.40% examples, 964
words/s, in_qsize 7, out_qsize 0
2019-07-07 04:12:11,907 : INFO : EPOCH 4 - PROGRESS: at 84.69% examples, 974
words/s, in_qsize 8, out_qsize 0
2019-07-07 04:12:26,415 : INFO : EPOCH 4 - PROGRESS: at 86.02% examples, 952
words/s, in_qsize 7, out_qsize 0
2019-07-07 04:12:33,281 : INFO : EPOCH 4 - PROGRESS: at 88.68% examples, 965
words/s, in_qsize 8, out_qsize 0
2019-07-07 04:12:35,037 : INFO : EPOCH 4 - PROGRESS: at 90.03% examples, 975
words/s, in_qsize 8, out_qsize 0
2019-07-07 04:12:48,922 : INFO : EPOCH 4 - PROGRESS: at 91.31% examples, 956
words/s, in_qsize 7, out_qsize 0
2019-07-07 04:12:57,586 : INFO : EPOCH 4 - PROGRESS: at 93.95% examples, 964
words/s, in_qsize 5, out_qsize 0
2019-07-07 04:13:10,121 : INFO : EPOCH 4 - PROGRESS: at 95.98% examples, 957
words/s, in_qsize 3, out_qsize 1
2019-07-07 04:13:10,125 : INFO : worker thread finished; awaiting finish of 3
more threads
2019-07-07 04:13:11,374 : INFO : EPOCH 4 - PROGRESS: at 97.31% examples, 967
words/s, in_qsize 2, out_qsize 1
2019-07-07 04:13:11,382 : INFO : worker thread finished; awaiting finish of 2
more threads
2019-07-07 04:13:11,473 : INFO : worker thread finished; awaiting finish of 1
more threads
2019-07-07 04:13:12,008 : INFO : worker thread finished; awaiting finish of 0
more threads
2019-07-07 04:13:12,010 : INFO : EPOCH - 4 : training on 754783 raw words (43
4091 effective words) took 437.8s, 991 effective words/s
2019-07-07 04:13:35,301 : INFO : EPOCH 5 - PROGRESS: at 1.37% examples, 242 w
ords/s, in_qsize 8, out_qsize 0
2019-07-07 04:13:36,338 : INFO : EPOCH 5 - PROGRESS: at 5.35% examples, 942 w
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ords/s, in_qsize 8, out_qsize 0
2019-07-07 04:13:57,875 : INFO : EPOCH 5 - PROGRESS: at 6.68% examples, 623 w
ords/s, in_qsize 8, out_qsize 0
2019-07-07 04:13:59,403 : INFO : EPOCH 5 - PROGRESS: at 8.04% examples, 728 w
ords/s, in_qsize 8, out_qsize 0
2019-07-07 04:14:20,912 : INFO : EPOCH 5 - PROGRESS: at 12.12% examples, 755
words/s, in_qsize 8, out_qsize 0
2019-07-07 04:14:22,079 : INFO : EPOCH 5 - PROGRESS: at 13.43% examples, 824
words/s, in_qsize 8, out_qsize 0
2019-07-07 04:14:23,255 : INFO : EPOCH 5 - PROGRESS: at 16.03% examples, 971
words/s, in_qsize 8, out_qsize 0
2019-07-07 04:14:43,525 : INFO : EPOCH 5 - PROGRESS: at 17.41% examples, 819
words/s, in_qsize 8, out_qsize 0
2019-07-07 04:14:44,910 : INFO : EPOCH 5 - PROGRESS: at 18.75% examples, 869
words/s, in_qsize 8, out_qsize 0
2019-07-07 04:14:46,859 : INFO : EPOCH 5 - PROGRESS: at 21.41% examples, 973
words/s, in_qsize 8, out_qsize 0
2019-07-07 04:15:06,106 : INFO : EPOCH 5 - PROGRESS: at 22.72% examples, 859
words/s, in_qsize 7, out_qsize 0
2019-07-07 04:15:07,150 : INFO : EPOCH 5 - PROGRESS: at 24.07% examples, 900
words/s, in_qsize 8, out_qsize 0
2019-07-07 04:15:10,204 : INFO : EPOCH 5 - PROGRESS: at 26.59% examples, 974
words/s, in_qsize 7, out_qsize 0
2019-07-07 04:15:30,038 : INFO : EPOCH 5 - PROGRESS: at 27.88% examples, 876
words/s, in_qsize 7, out_qsize 0
2019-07-07 04:15:31,283 : INFO : EPOCH 5 - PROGRESS: at 29.31% examples, 909
words/s, in_qsize 8, out_qsize 0
2019-07-07 04:15:35,192 : INFO : EPOCH 5 - PROGRESS: at 31.99% examples, 965
words/s, in_qsize 8, out_qsize 0
2019-07-07 04:15:53,063 : INFO : EPOCH 5 - PROGRESS: at 33.30% examples, 894
words/s, in_qsize 7, out_qsize 0
2019-07-07 04:15:54,076 : INFO : EPOCH 5 - PROGRESS: at 34.58% examples, 922
words/s, in_qsize 8, out_qsize 0
2019-07-07 04:15:58,978 : INFO : EPOCH 5 - PROGRESS: at 37.23% examples, 965
words/s, in_qsize 7, out_qsize 0
2019-07-07 04:16:15,115 : INFO : EPOCH 5 - PROGRESS: at 38.57% examples, 911
words/s, in_qsize 8, out_qsize 0
2019-07-07 04:16:17,110 : INFO : EPOCH 5 - PROGRESS: at 39.88% examples, 932
words/s, in_qsize 8, out_qsize 0
2019-07-07 04:16:18,122 : INFO : EPOCH 5 - PROGRESS: at 41.22% examples, 958
words/s, in_qsize 8, out_qsize 0
2019-07-07 04:16:22,341 : INFO : EPOCH 5 - PROGRESS: at 42.52% examples, 967
words/s, in_qsize 7, out_qsize 0
2019-07-07 04:16:38,116 : INFO : EPOCH 5 - PROGRESS: at 43.86% examples, 921
words/s, in_qsize 8, out_qsize 0
2019-07-07 04:16:39,690 : INFO : EPOCH 5 - PROGRESS: at 45.16% examples, 942
words/s, in_qsize 8, out_qsize 0
2019-07-07 04:16:41,137 : INFO : EPOCH 5 - PROGRESS: at 46.49% examples, 963
words/s, in_qsize 8, out_qsize 0
2019-07-07 04:16:46,760 : INFO : EPOCH 5 - PROGRESS: at 47.83% examples, 965
words/s, in_qsize 8, out_qsize 0
2019-07-07 04:17:01,568 : INFO : EPOCH 5 - PROGRESS: at 49.10% examples, 928
words/s, in_qsize 8, out_qsize 0
2019-07-07 04:17:04,541 : INFO : EPOCH 5 - PROGRESS: at 51.73% examples, 966
words/s, in_qsize 7, out_qsize 0
2019-07-07 04:17:10,567 : INFO : EPOCH 5 - PROGRESS: at 53.01% examples, 965
words/s, in_qsize 8, out_qsize 0
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2019-07-07 04:17:25,768 : INFO : EPOCH 5 - PROGRESS: at 54.37% examples, 930 words/s, in_qsize 7, out_qsize 0
2019-07-07 04:17:26,811 : INFO : EPOCH 5 - PROGRESS: at 55.70% examples, 949 words/s, in_qsize 7, out_qsize 0
2019-07-07 04:17:28,498 : INFO : EPOCH 5 - PROGRESS: at 57.01% examples, 965 words/s, in_qsize 8, out_qsize 0
2019-07-07 04:17:34,671 : INFO : EPOCH 5 - PROGRESS: at 58.31% examples, 964 words/s, in_qsize 7, out_qsize 0
2019-07-07 04:17:48,968 : INFO : EPOCH 5 - PROGRESS: at 59.60% examples, 935 words/s, in_qsize 7, out_qsize 0
2019-07-07 04:17:51,630 : INFO : EPOCH 5 - PROGRESS: at 62.28% examples, 967 words/s, in_qsize 8, out_qsize 0
2019-07-07 04:17:57,655 : INFO : EPOCH 5 - PROGRESS: at 63.57% examples, 967 words/s, in_qsize 7, out_qsize 0
2019-07-07 04:18:11,891 : INFO : EPOCH 5 - PROGRESS: at 64.89% examples, 940 words/s, in_qsize 7, out_qsize 0
2019-07-07 04:18:14,737 : INFO : EPOCH 5 - PROGRESS: at 67.55% examples, 969 words/s, in_qsize 8, out_qsize 0
2019-07-07 04:18:21,004 : INFO : EPOCH 5 - PROGRESS: at 68.88% examples, 968 words/s, in_qsize 8, out_qsize 0
2019-07-07 04:18:34,099 : INFO : EPOCH 5 - PROGRESS: at 70.19% examples, 946 words/s, in_qsize 7, out_qsize 0
2019-07-07 04:18:37,733 : INFO : EPOCH 5 - PROGRESS: at 72.86% examples, 971 words/s, in_qsize 8, out_qsize 0
2019-07-07 04:18:44,272 : INFO : EPOCH 5 - PROGRESS: at 74.24% examples, 969 words/s, in_qsize 7, out_qsize 0
2019-07-07 04:18:56,535 : INFO : EPOCH 5 - PROGRESS: at 75.55% examples, 951 words/s, in_qsize 7, out_qsize 0
2019-07-07 04:18:57,693 : INFO : EPOCH 5 - PROGRESS: at 76.90% examples, 964 words/s, in_qsize 8, out_qsize 0
2019-07-07 04:19:00,624 : INFO : EPOCH 5 - PROGRESS: at 78.12% examples, 973 words/s, in_qsize 8, out_qsize 0
2019-07-07 04:19:07,777 : INFO : EPOCH 5 - PROGRESS: at 79.40% examples, 969 words/s, in_qsize 7, out_qsize 0
2019-07-07 04:19:21,337 : INFO : EPOCH 5 - PROGRESS: at 80.72% examples, 949 words/s, in_qsize 7, out_qsize 0
2019-07-07 04:19:24,669 : INFO : EPOCH 5 - PROGRESS: at 83.40% examples, 971 words/s, in_qsize 7, out_qsize 0
2019-07-07 04:19:32,330 : INFO : EPOCH 5 - PROGRESS: at 84.69% examples, 967 words/s, in_qsize 8, out_qsize 0
2019-07-07 04:19:43,758 : INFO : EPOCH 5 - PROGRESS: at 86.02% examples, 953 words/s, in_qsize 7, out_qsize 0
2019-07-07 04:19:47,613 : INFO : EPOCH 5 - PROGRESS: at 88.68% examples, 973 words/s, in_qsize 7, out_qsize 0
2019-07-07 04:19:55,694 : INFO : EPOCH 5 - PROGRESS: at 90.03% examples, 967 words/s, in_qsize 8, out_qsize 0
2019-07-07 04:20:06,797 : INFO : EPOCH 5 - PROGRESS: at 91.34% examples, 956 words/s, in_qsize 7, out_qsize 0
2019-07-07 04:20:11,298 : INFO : EPOCH 5 - PROGRESS: at 93.95% examples, 973 words/s, in_qsize 5, out_qsize 0
2019-07-07 04:20:19,139 : INFO : EPOCH 5 - PROGRESS: at 95.28% examples, 968 words/s, in_qsize 4, out_qsize 0
2019-07-07 04:20:29,482 : INFO : EPOCH 5 - PROGRESS: at 96.61% examples, 959 words/s, in_qsize 3, out_qsize 1
2019-07-07 04:20:29,495 : INFO : worker thread finished; awaiting finish of 3 more threads
2019-07-07 04:20:29,506 : INFO : worker thread finished; awaiting finish of 2

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more threads
2019-07-07 04:20:30,058 : INFO : worker thread finished; awaiting finish of 1
more threads
2019-07-07 04:20:30,185 : INFO : worker thread finished; awaiting finish of 0
more threads
2019-07-07 04:20:30,187 : INFO : EPOCH - 5 : training on 754783 raw words (43
3743 effective words) took 438.2s, 990 effective words/s
2019-07-07 04:20:30,189 : INFO : training on a 3773915 raw words (2169123 eff
ective words) took 2323.9s, 933 effective words/s
2019-07-07 04:20:30,190 : INFO : precomputing L2-norms of word weight vectors
2019-07-07 04:20:30,425 : INFO : saving Word2Vec object under 300features_40m
inwords_10context.h5, separately None
2019-07-07 04:20:30,427 : INFO : not storing attribute vectors_norm
2019-07-07 04:20:30,429 : INFO : not storing attribute cum_table
C:\ProgramData\Anaconda3\lib\site-packages\smart_open\smart_open_lib.py:398:
UserWarning: This function is deprecated, use smart_open.open instead. See th
e migration notes for details: https://github.com/RaRe-Technologies/smart\_ope
n/blob/master/README.rst#migrating-to-the-new-open-function
'See the migration notes for details: %s' % _MIGRATION_NOTES_URL
2019-07-07 04:20:30,476 : INFO : saved 300features_40minwords_10context.h5

```

In [16]: *# This will give the total number of words in the vocabulary created from this dataset*
 model.wv.syn0.shape

C:\ProgramData\Anaconda3\lib\site-packages\ipykernel_launcher.py:2: Deprecati
 onWarning: Call to deprecated `syn0` (Attribute will be removed in 4.0.0, use
 self.vectors instead).

Out[16]: (1604, 300)

In [17]: *# Function to average all word vectors in a paragraph*
def featureVecMethod(words, model, num_features):
Pre-initialising empty numpy array for speed
 featureVec = np.zeros(num_features, dtype="float32")
 nwords = 0

*#Converting Index2Word which is a list to a set for better speed in the ex
 ecution.*
 index2word_set = **set**(model.wv.index2word)

for word **in** words:
if word **in** index2word_set:
 nwords = nwords + 1
 featureVec = np.add(featureVec, model[word])

Dividing the result by number of words to get average
 featureVec = np.divide(featureVec, nwords)
return featureVec

```
In [18]: # Function for calculating the average feature vector
def getAvgFeatureVecs(reviews, model, num_features):
    counter = 0
    reviewFeatureVecs = np.zeros((len(reviews), num_features), dtype="float32")
    for review in reviews:
        # Printing a status message every 1000th review
        if counter%1000 == 0:
            print("Review %d of %d"%(counter, len(reviews)))

        reviewFeatureVecs[counter] = featureVecMethod(review, model, num_features)
        counter = counter+1

    return reviewFeatureVecs
```

```
In [19]: # Calculating average feature vector for training set
clean_train_reviews = []
for review in X_train:
    clean_train_reviews.append(review_wordlist(review, remove_stopwords=True))

trainDataVecs = getAvgFeatureVecs(clean_train_reviews, model, num_features)
```

Review 0 of 38144

Review 1000 of 38144

```
C:\ProgramData\Anaconda3\lib\site-packages\ipykernel_launcher.py:13: Deprecat
ionWarning: Call to deprecated `__getitem__` (Method will be removed in 4.0.
0, use self.wv.__getitem__() instead).
del sys.path[0]
```

Review 2000 of 38144

Review 3000 of 38144

Review 4000 of 38144

Review 5000 of 38144

Review 6000 of 38144

Review 7000 of 38144

Review 8000 of 38144

Review 9000 of 38144

Review 10000 of 38144

Review 11000 of 38144

Review 12000 of 38144

Review 13000 of 38144

Review 14000 of 38144

Review 15000 of 38144

Review 16000 of 38144

Review 17000 of 38144

Review 18000 of 38144

Review 19000 of 38144

Review 20000 of 38144

Review 21000 of 38144

Review 22000 of 38144

Review 23000 of 38144

Review 24000 of 38144

Review 25000 of 38144

Review 26000 of 38144

Review 27000 of 38144

Review 28000 of 38144

Review 29000 of 38144

Review 30000 of 38144

Review 31000 of 38144

Review 32000 of 38144

Review 33000 of 38144

Review 34000 of 38144

Review 35000 of 38144

Review 36000 of 38144

Review 37000 of 38144

Review 38000 of 38144

```
In [20]: # Calculating average feature vectors for test set
clean_test_reviews = []
for review in X_test:
    clean_test_reviews.append(review_wordlist(review, remove_stopwords=True))

testDataVecs = getAvgFeatureVecs(clean_test_reviews, model, num_features)
```

Review 0 of 12715

Review 1000 of 12715

C:\ProgramData\Anaconda3\lib\site-packages\ipykernel_launcher.py:13: DeprecationWarning: Call to deprecated `__getitem__` (Method will be removed in 4.0.0, use self.wv.__getitem__() instead).
del sys.path[0]

Review 2000 of 12715

Review 3000 of 12715

Review 4000 of 12715

Review 5000 of 12715

Review 6000 of 12715

Review 7000 of 12715

Review 8000 of 12715

Review 9000 of 12715

Review 10000 of 12715

Review 11000 of 12715

Review 12000 of 12715

```
In [21]: # Determining shape of vectors for train data
trainDataVecs.shape
```

Out[21]: (38144, 300)

```
In [22]: # Fitting a random forest classifier to the training data
from sklearn.ensemble import RandomForestClassifier
forest = RandomForestClassifier(n_estimators = 100)

print("Fitting random forest to training data....")
forest = forest.fit(trainDataVecs, y_train)
forest
```

Fitting random forest to training data....

Out[22]: RandomForestClassifier(bootstrap=True, class_weight=None, criterion='gini', max_depth=None, max_features='auto', max_leaf_nodes=None, min_impurity_decrease=0.0, min_impurity_split=None, min_samples_leaf=1, min_samples_split=2, min_weight_fraction_leaf=0.0, n_estimators=100, n_jobs=None, oob_score=False, random_state=None, verbose=0, warm_start=False)

```
In [23]: # Determining our score on training data
forest.score(trainDataVecs, y_train)
```

Out[23]: 0.9972210570469798

```
In [24]: # Determining our score on testing data
forest.score(testDataVecs, y_test)
```

```
Out[24]: 0.9012190326386158
```

```
In [25]: # Predicting the sentiment values for test data and saving the results in a csv file
result = forest.predict(testDataVecs)
result
```

```
Out[25]: array([0, 1, 1, ..., 2, 2, 1])
```

```
In [27]: # Setting the output file with predicted sentiments and saving it as a csv data
output = pd.DataFrame(data={"Tweet":X_test,"sentiment":result})
output.to_csv("Output/output.csv", index=False, header=True)
```

Generating Live Tweet data

```
In [28]: import tweepy as tw
import pandas as pd
import json
```

```
In [29]: ## Twitter credentials
with open("./secrets.json") as f:
    secrets = json.load(f)
consumer_key = secrets["twconsumer_key"]
consumer_secret = secrets["twconsumer_secret"]
access_token = secrets["twaccess_token"]
access_token_secret = secrets["twaccess_secret"]
```

```
In [30]: #Authenticate
auth = tw.OAuthHandler(consumer_key, consumer_secret)
auth.set_access_token(access_token, access_token_secret)
api = tw.API(auth, wait_on_rate_limit=True)
```

```
In [31]: # Define the search term and the date_since date as variables
search_words = "#bitcoin" + "-filter:retweets"
date_since = "2019-07-01"
```

```
In [32]: # Collect tweets
tweets = tw.Cursor(api.search,
                    q=search_words,
                    lang="en",
                    since=date_since).items(500)
tweets
```

```
Out[32]: <tweepy.cursor.ItemIterator at 0x1a2c1059048>
```



```
In [33]: # provides the user's twitter handle
# provides the user's provided location

tweets = tw.Cursor(api.search,
                    q=search_words,
                    lang="en",
                    since=date_since).items(500)

users_locs = [[tweet.created_at, tweet.text, tweet.user.screen_name, tweet.user.followers_count, tweet.user.location, tweet.retweet_count] for tweet in tweets]
users_locs
```

```

Out[33]: [[datetime.datetime(2019, 7, 7, 13, 10, 35),
          '1 BTC Price: Bitstamp 11369.71 USD Coinbase USD #btc #bitcoin 2019-07-07
09:10 https://t.co/ZLP1Bo6dAn',
          'coinok',
          8772,
          '',
          0],
 [datetime.datetime(2019, 7, 7, 13, 10, 33),
  'President Maduro Orders The Bank of Venezuela to Accept Petro Crypto http
s://t.co/cCwYOpGgv0 #blockchain #bitcoin #crypto',
  'TheBlockchain',
  8600,
  '',
  0],
 [datetime.datetime(2019, 7, 7, 13, 10, 33),
  '39,000 More Merchants Can Accept Litecoin With Flexa Integration https://
t.co/1ZjKGpv23N #blockchain #bitcoin #crypto',
  'TheBlockchain',
  8600,
  '',
  0],
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  'US Congress Requests Moratorium on Facebook's Libra Stablecoin https://t.c
o/vl0QWu8BKO #blockchain #bitcoin #crypto',
  'TheBlockchain',
  8600,
  '',
  0],
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  'Binance Charity Announces Alliance to Support Feminine Health https://t.c
o/bHNSdpOBld #blockchain #bitcoin #crypto',
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  'Economist Joseph Stiglitz: Only a Fool Would Trust Facebook's Libra http
s://t.co/sUjXU8dy0U #blockchain #bitcoin #crypto',
  'TheBlockchain',
  8600,
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  'Release the Tape You Coward' – Roubini Tells BitMEX CEO After Debate http
s://t.co/Zo5TYq1H82 #blockchain #bitcoin #crypto',
  'TheBlockchain',
  8600,
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 [datetime.datetime(2019, 7, 7, 13, 10, 30),
  'Advocacy Groups Call on Congress to Stop Libra Development Until July Hear
ings https://t.co/VqipqRAWp0 #blockchain #bitcoin #crypto',
  'TheBlockchain',
  8600,
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 [datetime.datetime(2019, 7, 7, 13, 10, 29),

```

```

'Operator of Newly Launched Binance US Appoints Former Ripple Exec as New C
E0 https://t.co/N5emJTS4rh #blockchain #bitcoin #crypto',
  'TheBlockchain',
  8600,
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  'Crypto Exchange Bitfinex Repaid $100 Million to Stablecoin Operator Tether
https://t.co/Ogrz3y2zfL #blockchain #bitcoin #crypto',
  'TheBlockchain',
  8600,
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  'IOTA Foundation Launches Trinity, a New Software Wallet for IOTA tokens ht
tps://t.co/kJ8KUdjSSU #blockchain #bitcoin #crypto',
  'TheBlockchain',
  8600,
  '',
  0],
[datetime.datetime(2019, 7, 7, 13, 10, 28),
  'Max Keiser: Altcoin Phenomenon Finished, Value Will Flow Into Bitcoin http
s://t.co/kFqE2Ykw4r #blockchain #bitcoin #crypto',
  'TheBlockchain',
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  'Weiss Ratings: Litecoin 'Excellent' in Adoption and Investment Returns htt
ps://t.co/iJxDJm7Kpi #blockchain #bitcoin #crypto',
  'TheBlockchain',
  8600,
  '',
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  'Bitcoin Price Clings to $11,000 as Analysts Prepare for 40% Price Correcti
on https://t.co/KPoohQNY9s #blockchain #bitcoin #crypto',
  'TheBlockchain',
  8600,
  '',
  0],
[datetime.datetime(2019, 7, 7, 13, 10, 25),
  'Cryptocurrency Mobile App Downloads Stall Amid Price Surge: Report http
s://t.co/dtvHzzNyw7 #blockchain #bitcoin #crypto',
  'TheBlockchain',
  8600,
  '',
  0],
[datetime.datetime(2019, 7, 7, 13, 10, 4),
  'Bitcoin BTC Current Price:\n$11,344.16\n1 Hour: 0.17 % | 24 Hours: -0.15 %
| 7 Days: -1.17 %\n#btc #bitcoin',
  'aWebAnalysis',
  1109,
  'New York, NY',
  0],
[datetime.datetime(2019, 7, 7, 13, 10, 4),
  'Eterbase Coin (XBASE) is going to partially migrate to Binance Chain read

```

```

more here : https://t.co/b0Shfq6Bk3... https://t.co/9pZdCZPYM1',
  'PeaceIovers',
  18884,
  '',
  0],
[datetime.datetime(2019, 7, 7, 13, 10, 2),
  'Top 5 #cryptocurrencies \n Alert Time: 2019-07-07 16:10:02\n#Bitcoin: $11,
346.090\n#Ethereum: $294.146\n#XRP: $0.395... https://t.co/4gThtC0dUZ',
  'CoinCapsAi',
  4978,
  'The World',
  0],
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  'Following up on #bitcoin chart. \n\nBroke down with volume, fallen out fro
m trendline support (not that significant)... https://t.co/Xba0ejeaXT',
  'BTC_y_tho',
  992,
  '',
  0],
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  'A great project with a very cool idea! These are the projects I always sug
gest to friends and acquaintances, becaus... https://t.co/Iqt1VBrLPF',
  'deboraharol',
  1114,
  '',
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  '📊 #Bitcoin $11390 vs 📈 #AAPL $204\n\n      -22.4% ▼ 1 week 🚀 +3.2%
\n      +186.2% 🚀 YTD      🚀 +29.5% \n      +74.3%... https://t.co/bFYuAvJzu
Z',
  'SntoshiNakamoto',
  50,
  'Toronto',
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  'When such a strong team of developers gather together with an actual and s
trong idea, the project clearly deserves... https://t.co/L8FoEcT03R',
  'denisecollinsa',
  1108,
  'Lagos, Nigeria',
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  'The Most Comprehensive Digital Wallet Guide: https://t.co/swV3SCfBsh #Bitc
oin #Ethereum',
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  28017,
  'Kingston, ON, Canada',
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[datetime.datetime(2019, 7, 7, 13, 8, 54),
  'Iranian IT minister urges government to regulate #Bitcoin mining #Btc #Cry
ptocurrency #finance #forex #markets #fx... https://t.co/bMmwDis1HM',
  'StartBitcoinOK',
  548,
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  'I believe that investing in this project is the best investment!i I is cle

```

```

ar that a young competent team tried to d... https://t.co/16yd6AeP4E',
'cynthiataylorcy',
966,
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'ALERT! LAKEHOME - OUTSIDE PROJECT - SCAM SIGNALS DETECTED! BEWARE!\n\nhttp
s://t.co/JDThnNYZj7\n\n#EmilyNews #invest #HYIPs #bitcoin #crypto #btc',
'EmilyHyipNews',
249,
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"Let's remember there will only ever be 21 million #bitcoin. https://t.co/V
Azoc9mnvE",
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'Decentralized',
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'► What is Bitcoin Value Today? #Bitcoin #BitcoinPrice\n*\n*\n*\n► Current
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'MasterBitcoin_',
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'WikiLeaks Has Received More Than $46 Million in Bitcoin - https://t.co/uqW
oSPcovw\n #bitcoin #btc #bitcoinnews... https://t.co/PvRK3E525R',
'TheBitcoinNews',
63449,
'The Internet',
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'@ETERBASE sticks to the most elevated administrative guidelines in Europe.
In this manner, we apply to the Electron... https://t.co/vkXc3QsD3a',
'mohadrop',
1154,
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'@CryptoTownEU Good project\n#cryptocurrency #Crypto #bounty #Airdrops #Air
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'Bitcoin (BTC) Celebrates Another Milestone: Hash Rate Surges To New Record
High https://t.co/QhZFgbSL2i #bitcoin #btc',
'oracletimesnews',
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'#crypto #cryptocurrency #bitcoin Top Canadian mobile stories from the past
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```

```

'SamsungCrypto',
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'A great project that never ceases to amaze every day. It is very interesti
ng to watch the success of the team, whic... https://t.co/BrbCEtFY0V',
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ice Functions & Innovation Clusters)... https://t.co/0A8w9gpbVs',
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'This is a promising project. We are building a long-term, long-term busine
ss. Great team, great work! Join us and y... https://t.co/iQ4JasvNe9',
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co/LT9b6PISoz',
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'All new 🎧 #LIVE episode of The #Bitcoin News Show today @ 12pm PT 🕒, 3pm
ET 🕒 only on @CryptoCastNet!\n\nTopics:\n-Faceb... https://t.co/JmjQdDm1rQ',
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'3BTbsNttiaUfVQ4NQJjwpw32XFDex4Jf2d',
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'Here is my #Bitcoin prediction of tomorrow, Predict and earn with #Pynk 🧠
#BTC $BTCUSD $BTC https://t.co/DCQDA4YZrL via @Pynk_io',
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```

```

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qwRRV5Fyx #bitcoin #blockchain #fintech',
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'#bitcoin investors on the left and #monero on the right ☹️ https://t.co/2C
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f5XVxpxvy4\n.\n#bitcoin \n#couponingmom',
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'#BTCUSD $11363.64\nPrice change 1-Hour 0.27% | 1-Day -0.72% | 1-Week -1.7
0%\n7/7/2019 2:05 PM\n\nReal-time #bitcoin pri... https://t.co/fKBZhMKiMQ',
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'One of the few successful projects. I recommend conducting this project. T
his immediately shows the professional ap... https://t.co/7RtVFbByot',
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'🕒 Jul 7, 2019 9:00 AM\nBs/β: 85,287,213 VES/BTC -1.21%📉\nAvg tx: $57.36
tx/hr: 45\n\nAvg 24h: 87,355,071 VES/BTC\nBid:... https://t.co/wDWj6gX612',
'yadio_io',
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'The latest #Bitcoin Energy Consumption Index is 70.847 TWh per Year/6.56 M
il US households (+0.3%)... https://t.co/JQsBnns6vi',
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```

```

'',
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 'The latest The Daily Crypto! https://t.co/odq6MxJVeL Thanks to @pekiron @s
hizushizuka1 #crypto #bitcoin',
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 'DRIFE values the safety of the commuters and endeavours to carry out multi
ple security checks on the drivers before... https://t.co/nPIwRseSvz',
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30461,
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ib0iyS32t #Ethereum #Crypto #blockchain... https://t.co/NQjRXy8Gfg',
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 '$BTC can be manipulated even though it has a $200 billion valuation. Press
ure in the last few minutes on #Binance w... https://t.co/HYo9TKshon',
 'RonnieMoas',
42305,
'',
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[datetime.datetime(2019, 7, 7, 13, 3, 55),
 '🕒The banks already realized that we no longer need them, long life to #bi
tcoin !\n\n#Crypto #USDT #XRPcommunity #TRX #blockchain',
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1949,
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 'Weekend Profits 😊 Earn Monthly #Passive income while you sleep with http
s://t.co/6APgquoK1M\n\n#Bitmex #scalp #long... https://t.co/wjsNeeeXaj',
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 'Adopting many crypto payment networks such as AI-Payment can result in cry
pto currency holders being able to transa... https://t.co/anDXayQsIe',
 'aglebaby',
1231,
 'Hà Nội, Việt Nam',
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 'Regulatory Overview of Crypto Mining in Different Countries https://t.co/I
CCCqQDDZ9 #Bitcoin #Mining https://t.co/ZZ9i6reTJc',
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 'London, England',

```



```

0],
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'Bitcoin Is A Legitimate Store Of Value, BTC Falls 8.1%\nhttps://t.co/Qy7
32ohdvG\nhttps://t.co/vdn018c8ZC... https://t.co/yzNbol4lXs',
'Remi_Vladuceanu',
161173,
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[datetime.datetime(2019, 7, 7, 13, 2, 26),
'Join Crypto Traders Free Signals channel \n\nhttps://t.co/MLrFop2kyd\n\n#b
itcoin #ethereum #HC #TNT #BTC #MATIC #PHB... https://t.co/zI43TSb044',
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'BTC $11334.99 Up +$24.43 +0.22% in the last hour #bitcoin #bitSMART',
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281,
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'Almost 500 #Bitcoin wall on Binance just got eaten through in seconds. htt
ps://t.co/Ap67DaVaod',
'nebraskangooner',
27747,
'Nebraska, USA',
3],
[datetime.datetime(2019, 7, 7, 13, 2, 9),
'New ECB Boss #Lagarde: #Bitcoin Warning vhttps://www.forbes.com/sites/bill
ybambrough/2019/07/07/new-ecb-boss-christ... https://t.co/m6lyCB40NS',
'SpitzerLaw',
393,
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'Regulatory Overview of Crypto Mining in Different Countries https://t.co/T
js2dT01vj #Bitcoin #Mining #BitcoinMining #Blockchain',
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'WikiLeaks Has Received More Than $46 Million in Bitcoin https://t.co/OfE59
al0Ju #Bitcoin #BitcoinPolitics... https://t.co/WiWvGyw0E2',
'TokenJay',
637,
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s://t.co/wmgpRbkgT3 #BitcoinMining... https://t.co/ATxgftx1f7',
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'Asic Antminer S9 ~13.5TH/s. New https://t.co/ApFluAYFex #bitcoin #crypto #
antminer #bitmain',
  'bmine3rz',
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 'Iran Accuses US of Looking to Thwart Its Bitcoin Mining Operations http
s://t.co/d9km5FWUXG #GameofCryptos #bitcoin... https://t.co/lUF4u1fBNW',
 'cryptonewstick',
  23,
  'United States',
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[datetime.datetime(2019, 7, 7, 13, 1, 59),
 '@ETERBASE cryptocurrency exchange platform has a strong a focus on multi-a
sset support and regulatory compliance. H... https://t.co/ALSHNIWZxD',
 'mohadrop',
  1154,
  '',
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[datetime.datetime(2019, 7, 7, 13, 1, 47),
 'Libra is watching by /u/dht201 #bitcoin #btc #eth #ethereum #ripple #xrp #
crypto #cryptocurrency #memes #dankmemes... https://t.co/Y6Yjp7KpAP',
 'zuckfuckerberg',
  113,
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 'Iranian IT minister urges government to regulate bitcoin mining\n\nRead Mo
re: https://t.co/pgTyZaqBdT\n\n#bitcoin #news... https://t.co/GeY4w4PnjC',
 'CryptoBeanie',
  22,
  'Internet',
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ds: $62076/$ within $11100-$11360 range... https://t.co/z7sdi8qGwo',
 'CryptoNewswire',
  9170,
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 '#crypto price changes last hour\n\n📈\n$BITB +19.71%\n$ITM +14.49%\n$DMD +
9.95%\n\n📉\n$TIX NaN\n$FLDC -14.49%\n$PTON -10.22%... https://t.co/THTjohvHU
c',
 'analyst5_bot',
  6762,
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 'Today in BTC history: \n-----\n 2019-07-07 | 11,37
3.6433\n 2018-07-07 | 6755.5613\n 2017-07-07 |... https://t.co/inqhXCGoDJ',
 'BTCHistory',
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  'Server Cluster, Internet',
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'1 #BTC (#Bitcoin) quotes:\n$11370.62/$11381.58 #Bitstamp\n$11363.11/$1136
7.80 #Kraken\n-->$-18.47/$-2.82',
'BitcoinSpreads',
4697,
'The Earth',
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'What has happened to the #GOLD #market ? see our #Elliottwave #Prediction
and #results\n#trading #trade #precious... https://t.co/PeWetI5NWc',
'GarocAssociates',
10,
'London, England',
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'$ Actual #Bitcoin #BTC price is \n1 BTC = 10.098,684 € #EUR\n1 BTC = 11.34
2,376 $ #USD\nChange last 24 hours -0.16%  \nChange last hour 0.2% ',
'ElPetroPrice',
223,
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"I'm inviting you to join Clout Pay, a site that lets you earn money with s
ocial media. I just earned $25.00 and you... https://t.co/ydp1ShWWis",
'Colin563',
1843,
'Glasgow, Scotland, UK',
0],
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'Convert it to #Bitcoin  https://t.co/yeBhXSChfr',
'BigNewt23',
305,
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Reality: $BTC is just chopping, like it doe... https://t.co/ffcQZEdaaf',
'AkadoSang',
13113,
'Hyperbolic Time Chamber',
0],
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s #big \n#instacrypto #bitcoin #ico #trx... https://t.co/oTBcUHPbwx',
'CoinCapsAi',
4978,
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'Grande Vegas Casino - 50 Free Spins for Signing Up & Limited Time 100%
Bonus + $100 Free Chip... https://t.co/Z4Q2ZZnMD2',
'NoLuckNeeded',
13315,
'Gambleville',
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[datetime.datetime(2019, 7, 7, 13, 0, 59),
'@Libra_ is gaining a lot of attention around the #globe. But what is the d
ifference between #bitcoin and @Libra_?... https://t.co/wok0HWHCiC',

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'OfficialOverbit',
828,
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[datetime.datetime(2019, 7, 7, 13, 0, 58),
'BTC #Vaultmex Price Alert \n Time: 2019-07-07 16:00:58\n#BTC BTC\n Chang
e:%\n#bitcoin #altcoin #SmartContracts $CNY... https://t.co/GTeLJmfvts',
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'#bitcoin #speculated to hit new #all-time #highs on the back of #continued
#uptrends \n#instabitcoin #instaeth... https://t.co/aHpqvkcGxH',
'CoinCapsAi',
4978,
'The World',
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'#bitcoin A very easy way to earn money. Do you want to get free bitcoin? D
iscover the magic ►... https://t.co/BVc0vyhuvs',
'MillonariosPunt',
179,
'',
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'390.2 $BTC bought @ $11300.00 USDT at Binance. Sent by WhaleMonitor http
s://t.co/a6Gc0xyZdH #bitcoin #binance',
'CoinBakers',
61,
'',
0],
[datetime.datetime(2019, 7, 7, 13, 0, 43),
'Join in the CINDX Pre-IEO on BitForex and make your way into trading histo
ry with the only legal IEO under Eu legis... https://t.co/ttlWGUB3ME',
'Priya72228602',
1857,
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[datetime.datetime(2019, 7, 7, 13, 0, 36),
'#BTCUSD Market #1H timeframe on July 7 at 12:00 (UTC) is #Bullish. #cry
ptocurrency #bitcoin #btc #crypto... https://t.co/2w0h0gwKIV',
'cryptanalyser',
140,
'Barcelona, Spain',
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'Iran Accuses US of Looking to Thwart Its #bitcoin Mining Operations CCN M
arkets #cryptocurrency #altcoin #Iran... https://t.co/11yK4oUY2K',
'bitcoinagile',
51682,
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'#Crypto #Bitcoin alert!!\n#BTCUSD Abnormal Volatility!\n\nJoin our telegr
am channel for more alerts at... https://t.co/FWTK0y0eem',
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90,
'Nederland',
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'BTC hourly update\n$11324.30 | -0.0003%\n$BTC #BTCUSD #Bitcoin',
'BtcPulse',
319,
'',
0],
[datetime.datetime(2019, 7, 7, 13, 0, 20),
'Learn more about #Libra in an uncomplicated way. \n\nhttps://t.co/y6Y1yjF0
gN\n\n#crypto #cryptocurrency... https://t.co/Fn9Db8oPdf',
'Alt__Magazine',
3729,
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'Top 100 avg 24h return: 0.2±3.3%; 60 up, 39 down\n$BTC -0.2% $ETH 1.5%\nB
est:\n12.8% $DGB @DigiByteCoin\n11.1% $RET... https://t.co/WcqzfnBtYF',
'CoinTradingBot',
3067,
'',
0],
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'Earn 300,000 #satoshi a month for free with instant withdrawals to your #B
itcoin address. Maximize your #earnings w... https://t.co/q0tiPT7VUp',
'CRYPT0STR34M',
3218,
'',
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'Another picture from the "When fiat fails" collection. Money is so worthle
ss in Venezuela that people are using it... https://t.co/4glgN8CANN',
'cryptochaseio',
269,
'Moon',
0],
[datetime.datetime(2019, 7, 7, 13, 0, 5),
'One Bitcoin now worth $11354.91@bitstamp. High $11735.000. Low $11050.000.
Market Cap $202.152 Billion #bitcoin https://t.co/imfE09ZBXu',
'BTCTicker',
3028,
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'One Bitcoin now worth $11354.403. Market Cap $202.154 Billion. Based on #c
oindesk BPI #bitcoin',
'BTCTicker',
3028,
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'Jul 07, 2019 06:00AM #Bitcoin Price:\nUSD 11216.55 | EUR 10102.56 | JPY 12
29158.74',
'btcreports',
180,
'The World',

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0],
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'Looking for Forex managed account services with the best Forex trading per
formance? Look no further #Mexico... https://t.co/vShLSB0CeH',
'CityofInvestmnt',
10094,
'City of London, London',
0],
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'🔗 16:00\Bitcoin = 10.961,9900 $\n#bitcoin #btc #BTCUSD',
'kurneoldu',
821,
'Turkey',
0],
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'$BTC #Bitcoin Daily Support and Resistance targets: \nR3: 11963.55\nR2: 11
717.59\nR1: 11565.64\nPP: 11319.68\nS1: 11073.... https://t.co/1kDcWNGGm7',
'cryptcoin_trade',
728,
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'Bitcoin: $11,310.74\n -0.61% (-$69.40)\nHigh: $11,656.09\nLow: $11,060.46
\nVolume: 224\n\n$BTC #BTC #bitcoin',
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728,
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'You Suffer . . . But why !? Bitcoin just hit $11,354.40, time to remotely
toggle your rig at home... #bitcoin',
'NapalmDeathBot',
94,
'Silicon Valley / Birmingham',
0],
[datetime.datetime(2019, 7, 7, 13, 0, 1),
"The Bitcoin $BTC price is currently 11334.99 $USD or 10092.11 $EUR.\nIt's
the number #1 cryptocurrency on the Earth... https://t.co/eEMGLivFqe",
'the1bitcoinbot',
286,
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0],
[datetime.datetime(2019, 7, 7, 13, 0, 1),
'Bitcoin - BTC\nPrice: $11,342.38\nChange in 1h: +0.2%\nMarket cap: $201,93
9,229,483.00\nRanking: 1\n#Bitcoin #BTC',
'coinstats',
3465,
'Blockchain',
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[datetime.datetime(2019, 7, 7, 12, 59, 38),
'Great team, great company. At this stage of my acquaintance with the proje
ct I can say that I was surprised by the... https://t.co/g8WJ5DfmTz',
'danglinhdan18',
6888,
'♥ en JUPITER BBSita Marte',
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[datetime.datetime(2019, 7, 7, 12, 59),

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'How is this scenario for the price movement?\n#BTC #BTCUSD #bitcoin #Cryp
to #cryptotrading https://t.co/qIE1MacXRJ',
'petro90crypto',
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'Ukraine',
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[datetime.datetime(2019, 7, 7, 12, 58, 47),
'The development team is very qualified and they will be able to complete a
11 the tasks that are planned. They move... https://t.co/mKtNDvN9b3',
'kakwastam',
4115,
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'Nouriel Roubini Threatens Lawsuit to "Criminal" Bitcoin Exchange https://
t.co/FdahVcMt7q #Bitcoin #Crypto https://t.co/VgzBVtYUNs',
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1949,
'Toronto, Ontario',
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[datetime.datetime(2019, 7, 7, 12, 58, 6),
'Nouriel Roubini Threatens Lawsuit to "Criminal" Bitcoin Exchange @newsbtc
#Bitcoin #Crypto #events #Industry... https://t.co/EEEjcUQTeB',
'tokentalkco',
13762,
'London',
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[datetime.datetime(2019, 7, 7, 12, 57, 51),
'The Library of Alexandria, the Dark Ages, and now total war; with so many
threats to our existence of our own makin... https://t.co/4a4YI7DQIe',
'CointractCom',
208,
'Republic of the Philippines',
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in #Blockchain #Mining #BitcoinMining https://t.co/3xQPz5IgSY',
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'Matter Doesn't Matter",
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'Anyone care to politely discuss the importance of lack thereof of this ima
ge?\n#bitcoin #btc #bsv https://t.co/MgUWl00TOM',
'22centurycrypto',
1956,
'Florida, USA',
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[datetime.datetime(2019, 7, 7, 12, 57, 26),
'Earn Daily 1 #bitcoin , 1000 #dogecoin , #ethereum Etc FREE | 100% Working
https://t.co/8WJJXftLbg',
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10652,
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[datetime.datetime(2019, 7, 7, 12, 57, 1),
'$NEXCF Press Contest with Budweiser is Live https://t.co/S9m6ohXdDT $BudAR

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#beer #ad #wsj #nytimes #reuters... https://t.co/Sx7egUtOD3',
  'dubaisend',
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  'LAST TRADE: BUY 0.10000000BTC@10137.3EUR\nSELL WALL: 49.066BTC@10500.0EUR
\nBUY WALL: 69.931BTC@9500.0EUR\nSUM SHORTS:... https://t.co/Yn8skjeDcj',
  'digital_mine_',
  5760,
  'STEEM BLOCKCHAIN',
  0],
[datetime.datetime(2019, 7, 7, 12, 56, 54),
  'What do YOU know about #Bitcoin and #cryptocurrency? https://t.co/1QTx4CmR
5L',
  'COMMSMEA',
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  '#Bitcoin \nSupport / Resistance / 4H-MA200 / possible scenarios I see are
here below\n\n#BTC #Crypto #Binance #Bitmex... https://t.co/ezhRNWvdFp',
  'FeraSY1',
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[datetime.datetime(2019, 7, 7, 12, 56, 22),
  '#Bitcoin making headlines in Spain. Nice 👍 @partidolibertad https://t.co/
uxZ5afkop9',
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  'Get Social with https://t.co/MsU3yfcA30 #ad #wsj #nytimes #reuters #bloomb
erg #thetstreet #forbes #nasdaq... https://t.co/5czblRKMrH',
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igns https://t.co/tuAhZmGngR #ad #wsj... https://t.co/hS37ZPbzSR',
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  '📈 Binance Trading Bot Sell Signal\nPair: ARKBTC\nEntry Price: $0.0000396
\nProfit Target Hit: $0.0000419\n\nCheck out thi... https://t.co/8LsIGg2uyJ',

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'coinfather_bot',
945,
'@CoinFatherPublic at Telegram',
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'$BTC  price: $11356.59 1.00000BTC \n1h: +0.37%  \n1d: -0.02%  \n7d:
-1.19%  \n  #Bitcoin 24h volume: $19,215,427,273',
'cryptoUSD',
1319,
'Earth, Blockchain',
0],
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'#crypto #bitcoin Messiah @LouisFarrakhan warns "The #economy of the WHOLE
WORLD is TIED to the economy of America,... https://t.co/0wjBIJhRw',
'thewheel_mrt',
2007,
'Revelation ',
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'Iranian IT minister urges government to regulate #Bitcoin #Mining (AMBCryp
to) \nMohammad Javad Azari Jahromi, the co... https://t.co/qxjdzOhqhY',
'crypto_news24',
746,
'London, England',
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'1. Buy #Bitcoin\n2. Buy $BXY\n3. Buy $LTC\n4. Buy more $BTC\n5. Buy $XRP h
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'KristinMScheure',
3090,
'FL',
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'The Fastest Way Bitcoin Cash Flow #bitcoin #traffic #moneyonline https://
t.co/vyiKEoMIB3',
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'The Fastest Way Bitcoin Cash Flow #bitcoin #traffic #moneyonline https://
t.co/sfAXc3TxDy',
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'security on #blockchain is the desire of all of us, because it will protec
t our assets from theft, join in for the... https://t.co/hzkOX8EcPF',
'sulaeman_oi',
537,
'Bandung',
0],
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'#gdx #bitcoin\nYes. NOW you can even go #short bitcoin and #cryptocurrency
\n\nBought 3k in #Dogecoin\nWas able to trade... https://t.co/wlvDub7Cn5',
'jestforsavings',

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94,
'Great Southwest. New Mexico',
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 '@APompliano @naomibrookwell @PeterSchiff @CaitlinLong_ Result of Pomp's $1
00 BTC to Schiff tweet:\n\nDiscussion/outra... https://t.co/SLNJUW9DZQ',
 'Smaulgld',
4841,
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 '1 Bitcoin ( #BTC )\nDollar: 11,371.64$ \n\n1 Bitcoin Cash ( #BCH )\nDolla
r: 4,04.65$ \n\n1 Ethereum ( #ETH )\nDollar: 294.... https://t.co/3czgYLh6lV',
 'coinpricenow',
2996,
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 '@tylerwinklevoss Hedging his bets? *cryptocurrency #bitcoin',
 'acdmbe',
271,
'Essexy',
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 '@IBMBBlockchain #secrypto technology keep developing.. Could we follow the
trend as well?. #cryptocurrency #bitcoin #altcoin',
 'mr_name13',
101,
'Jakarta, Indonesia',
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 'Bitcoin price started a strong recovery from the $9,700 swing support agai
nst the US Dollar.\nBTC will surpass the $... https://t.co/cBazhbf88y',
 'rbittcouk',
53,
'Blackpool, United kingdom',
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 'Ben Askren get REKT - no horse shoe up your ass last night buddy.\n\nMasvi
dal is #Bitcoin and Askren is #Litecoin 🍌... https://t.co/mlfhf8xmDp',
 'WolfofKrypto',
2345,
'Canada',
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 'Precio actual #Bitcoin\n$BTC = U$S 11368.86\nhttps://t.co/Uwbs34JFgT http
s://t.co/wcOfp10wmW',
 'cripto247',
2704,
'Worldwide',
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 '#Lawmakers Push for New #Bitcoin Rules\n\nSome #legislators see competitiv
e advantage in fostering #cryptocurrencies,... https://t.co/d0jtt7oIiR',
 'rsmobdev',
207,
'',

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1],
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 'The project is becoming more and more popular every day! This magnificent
 project and a solid team, this ico will b... https://t.co/p2qM3Erok2',
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 '',
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 'Last 24hr. for 🐼Felix AI\n\n🐼 📈10 sell moves\n📈10 buy moves\n🚀30.9
 1% profit\n\nFollow updates on\nhttps://t.co/WdeQ2srwW7... https://t.co/dldMKkz
 Ync',
 'CoinFelix',
 3053,
 '',
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[datetime.datetime(2019, 7, 7, 12, 49, 38),
 'Apparently the media says "everyone is talking about \'Kate\'s dress".\nI
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 'bukshukalaka',
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 'Rollercoaster, Blockchain City',
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 'ozsultan',
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 $Cdt $Xrp #bitcoin $Btc https://t.co/5x90XITeDE',
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 'TiredPleb',
 118,
 'Bristol, England',

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'Zug, Switzerland',
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'CoindustApp',
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'nvest_dot_ai',
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'in_vestclub',
569,
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sign the hash of the data. This makes it... https://t.co/K7NSfgBi1n",
'SatoshiAnalysis',
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 '12/ #Bitcoin dollar nominated price may seem volatile, but looking closer
 over longer periods there is only 1 const... https://t.co/1B7r7Dn1mB',
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 1238,
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 0],
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 Yip8Xa1\n\n#letsshowyouwheretoinvest... https://t.co/m1aVJhGYvY',
 'ArkonixMining',
 288,
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 "I've been on team #bitcoin since before I knew @PeterSchiff was a person.
 Feel free to send some sats. 3GUXPN17dk... https://t.co/BPjygeyjXo",
 'Gofissure8911',
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 'CasinosandGames',
 6657,
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 'Every item on #Bitswift.shop can be purchased using you favorite crypto of
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choice #Bitcoin, #Litecoin, #Ardor,... https://t.co/WD02QlTcZF',
  'ShopBitswift',
  866,
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  'Little lower high, slight retrace then dump, right $btc that's the plan as
always. #bitcoin',
  'Ohambleton',
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  'welcome to Twitter, Joe Blackburn @seriouslyisjoe #cryptocointrader #cct #
bitcoin https://t.co/tSu08r4c7R',
  'adrianscottcom',
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project and a solid team, this ico will b... https://t.co/QpzZKZ5JhV',
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project and a solid team, this ico will b... https://t.co/NkKIWc56Cs',
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o get to parity',
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  1075,
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  'When you read this now, you read it very differently in comparison with de
cember 2018...\n\n#bitcoin $BTC 🚀🚀 https://t.co/h9xcUZo6qq',
  'PFreto',
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  'New York',
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(#Bitcoin.com News) \nOver the last week, t... https://t.co/owFzZBVPdd',

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'digital_mine_',
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'STEEM BLOCKCHAIN',
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'_TokenNews',
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#bitcoin #btc #cryptocurrency #google... https://t.co/pE8scdSyXj',
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'JillianMaine143',
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close to VSTOP. You can also see it may... https://t.co/TVhjc4m91v',
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'steinercompany',
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'Galveston Island, Texas USA',
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'London & Warsaw',
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S..\n\nhttps://t.co/LAhYtRxwaz\n\n#EmilyNews... https://t.co/vMrlBZeTn4',
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'ruhulaminarif1',
10454,
'Dhaka, Bangladesh',
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[datetime.datetime(2019, 7, 7, 12, 37, 54),
'MoedaLoyaltyPoints/#bitcoin July 07 #MDA $MDA #BTC $BTC for BINANCE:MDABTC
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214,
' Bitcoin Citadel',
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'GoldenrockChain Airdrop📺🔗\n\n👉 Join now : https://t.co/LKrz1gunYG\n\n#
cryptocurrency #Crypto #bounty #Airdrops #Airdrop... https://t.co/xpCK9kmbDM',
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s😄 #Crypto #Cryptocurrency #BTC #Bitcoin https://t.co/9JU899XQ4Q',
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 'SatoshiAnalysis',
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 #bitcoin #fintech https://t.co/oDHgSU399b',
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 'Ray94609549',
 265,
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 'It's a special honor to be featured in Forbes Hungary. Find the 4-page art
 icle about my work on top of the Money (P... https://t.co/uHm1X5JSQw',
 'gaborgurbacs',
 15257,
 '',
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 [datetime.datetime(2019, 7, 7, 12, 34, 1),
 'Crypto will change the world. \n#bitcoin #iran @Ziya_Sadr https://t.co/og7
 2NVUvxc',
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 1194,
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'24h #cryptocurrency Overview:\n$BTC: $11,437.00 (+0.6%)\n\nBest:\n$DGB $0.
013 (+16.1%)\n$WAVES $2.13 (+13.9%)\n$SC $0.003... https://t.co/54VfXmcPnI',
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'https://t.co/uNG2jvRq6c it's a platform with a focus on #crypto to #SEPA i
ntegration, multi-asset support, and regu... https://t.co/ljt9iTdi4N',
'septianairmal29',
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'Jawa Tengah, Indonesia',
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Conference https://t.co/x88himo1np #XBT #BTC #Bitcoin',
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10895,
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toshi!? #btc #bitcoin #faketoshi\n\nhttps://t.co/7AoZeKn10S',
'infinitybloc',
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'crypto_news24',
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'London, England',
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2504,
'At the edge of The Empire.',
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\n🔗 Join our Telegram channel. (Required)\n🔗 Fo... https://t.co/31kMlalU3h',
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'Not every system that describes itself as a blockchain system is really a
decentralized system. Only genuinely dece... https://t.co/K44ZLSwV8f',
'JoeMartinDE',
248,
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"@CIA_News That's it!\nWe are live at https://t.co/WExoNIe6Fv \n\nFor the
launch of o analysis and tutorial website, w... https://t.co/w3fGWILWxv",
'BtcKem',
3,
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[datetime.datetime(2019, 7, 7, 12, 30, 50),
'Buy Bitcoin With PayPal! Also with CC, paysafecard, Skrill, OKPAY https://
t.co/Qdq3dxXr95 #btc #bitcoin 08 https://t.co/RHFYMyeAAp',
'coinok',
8772,
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'Getting my kids in #crypto has been a great experience; never imagined tal
king crypto with my kids 9 and 11 year ol... https://t.co/j9W9AR7HXA',
'Nupetc1',
31,
'Pennsylvania, USA',
1],
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'Claim Free #Bitcoin Now? Link https://t.co/xqZtUuICdz Moon Bitcoin is a li
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3218,
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es:\n#bitcoin is $11409.8479\n#dash is $156... https://t.co/722NKZcrqg',
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'Kearney, NE',
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'@bangkot68286246 \nThank you for following me & other folowers\n#crypt
o #Airdrop #selfdrop #bitcoin #airdropbounty... https://t.co/RrGe3B0XPU',
'CryptoXenz',
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l details!\nhttps://t.co/JYFNKYsuGp \nDecentr... https://t.co/zVT8bSPwSH",
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• All bounty participants are required to... https://t.co/0XW60yp7SF',
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128,
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'One Bitcoin now worth $11418.96@bitstamp. High $11735.000. Low $11050.000.
Market Cap $203.303 Billion #bitcoin',
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3028,
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oindesk BPI #bitcoin',
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'The Valorem Foundation would like to introduce a flow-through charity fund
ing initiative. \n\n#AdValorem #Bitcoin... https://t.co/U6uNmLLHAZ',
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17528,
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"@ecb is worried about @facebook , but isn't worried about drugs and crimes
cryptocurrencies like #bitcoin . Dumb du... https://t.co/XqxQU0yxJh",
'klaasvandh',
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'The domain name https://t.co/RJsxW6zR7J is for sale.\n\nA catchy name whic
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'United States',
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ow win 24K Gold Coin with TRS... https://t.co/Wt9bsbCFkr',
'treasuredapp',
21,
'India',
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'Slotastic Casino - $25 Free Chip for July Depositors and 50 Free Spins for
New Players https://t.co/I7Lg71QfBE ... Re... https://t.co/u79Jgpxz3S',
'NoLuckNeeded',
13315,
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 'Bitcoin Price Prediction And Analysis For June 6th - Correction Of The BTC
 Is Almost Over\n☞https://t.co/mUGqH2KadE... https://t.co/0C6a2JJWbI',
 'Remi_Vladuceanu',
 161173,
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[datetime.datetime(2019, 7, 7, 12, 26, 47),
 'Daily profit for HODLING BTC since 2013 Data taken since 29/10/2018 @ 10:4
 5am (UTC) Updated every hour #bitcoin... https://t.co/rgKNYgF4xi',
 'digital_mine_',
 5760,
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 'New #ECB biss #ChristineLagarde made a serious #bitcoin warning. #crypto #
 cryptocurrency #cryptocurrencies... https://t.co/OZQkLdPoLy',
 'john_bednarski',
 328,
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 '#Ilovebitcoin because you could buy an AH-64 Apache attack helicopter for
 about $4559.28 #bitcoin',
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 '‘I Guess I’ll Have to Hodl It’ – Peter Schiff Admits to Having Bitcoin #Bi
 tcoin #PeterSchiff #gold https://t.co/r8MWY4zqUb',
 'crypto_choochoo',
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 XdDT $BudAR #beer #ad #wsj #nytimes... https://t.co/mipvUqmJK8',
 'dubaisend',
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 e Predictions For XLM | Oracle Times... https://t.co/5ZvEDW2wo2',
 'moneytechx',
 256,
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[datetime.datetime(2019, 7, 7, 12, 25, 54),
 'The Debate Over Crypto Electricity Usage is Heating Up, But Clear Answers
 Are Elusive https://t.co/cNacNeCNMk... https://t.co/6rIIeUcxV2',
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 793,
 'New York, USA',
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[datetime.datetime(2019, 7, 7, 12, 25, 8),
 '@SparrowExchange @BitGo Sparrow is great platform for trading options with
 iut hidden fees. It is mean zero fee. It w... https://t.co/ek6Zh59Et7',
 'Jack220K',
 805,
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 '#CINDX #CINDXTOKEN #Crypto #Blockchain #ethereum #bitcoin #ether #crypto
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 6029,
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 'Please, make on youtube, a BLUE THUMBS UP on these video about \n#masterno
 des \nhttps://t.co/9rbbtPGLoi\n\n#blockchain... https://t.co/u5CrpYiQ8Z',
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 '#Bitcoin value in the next 1 days should be about 💰 $11,675.6.\n✅ Gain:
 $470.49\n✅ Gain percentage: 4.20% 📈\n\n💎 Curre... https://t.co/pR0mwvsmz
 7',
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 "It's not about Craig Wright. It's about the tech. #BitCoin\nhttps://t.c
 o/hBt1t2hYaL",
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 'I worked on Wall Street during the days of Collateralized Mortgage Obligat
 ions (CMO) & Credit Default Swaps (CDS) t... https://t.co/Spxpse0MjF',
 'ToneVays',
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 'You gotta love that 1W clean chart volume growth (no indicators needed to
 see 📊where we're going) 📈\n\n#bitcoin... https://t.co/TyLF6dwXhM',
 'oz_leb',
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 'The #Blockchain Daily is out! https://t.co/x30IDKY5dU 📰 #Crypto #CryptoC
 urrency #Bitcoin #BTC 📊✅ Top Influencers:... https://t.co/VZCdinNcpT',
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 'From the 325 million DRIFE tokens to be created, 32.5 million\nwill be hel
d by the DRIFE Technologies, #Drife #IE0#,... https://t.co/pcFLhL1Uuq',
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d by the DRIFE Technologies, #Drife #IE0#,... https://t.co/9Bgzm6PzfQ',
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 '👁️ #Bitcoin 👁️ William Verhoeven is now in the know. https://t.co/2HjL2o7
tE1 Reply with your Bitcoin Address for tips... https://t.co/mTP0tHv5yQ',
 'thatssixzs',
 1491,
 'bit.ly/btc',
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 'r/CryptoCurrency - Mark Mobius On Bloomberg: "If #bitcoin Continues To Gro
w I Would Have To Be A Buyer" https://t.co/Im7eg1b9Bc',
 'bitcoinagile',
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 "Matter Doesn't Matter",
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 'Stats for the last 24 hours in Crypto. #bitcoin #bitcoinstatistics #bitcoi
ntrading #crypto #cryptocurrency... https://t.co/nZBjyB9IzG',
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 '#Bitcoin price spent the weekend consolidating as the action has all gone
sideways for the time being. There was an... https://t.co/lA53mOhx8i',
 'DecentralizedF',
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 '#Bitcoin Cash Scaling Benchmarks, Brewdog, and Rising Transaction Volume #
Btc #Cryptocurrency... https://t.co/lbmJrxG29R',
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g.\n\nPayment Proof :... https://t.co/S6BM8FA3IF',
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'Earn ETH by holding MBTX tokens! \n\nCheck out: https://t.co/ddft675Yk1
\n\n#mining #STO #ico #crypto #cryptocurrency... https://t.co/Nm2V0HEKRu',
'ShanaRo28927930',
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'What's wrong with disclosing your holdings? (Reddit #Bitcoin) \nI've notic
ed a lot of times people being advised not... https://t.co/WdtysWmm2E",
'crypto_news24',
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'botbaitclick',
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'On the web and in your mind',
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'Join the ongoing STO of blocksafe and earn 25% additional bonus upon purch
ase just follow the link below to get tok... https://t.co/Sp9GBWk2fo',
'angelaImarie',
4613,
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'@LitecoinLoyal Buying more #Bitcoin!!!',
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t.co/WibZQkT3aA\n\n#Bitcoin #BitcoinSV https://t.co/yqj1qBQlK8',
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29,
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 'Can you beat my score? Only on #BSV \n\nhttps://t.co/o0zONEGJMJ\n\n#Bitcoi
n #blockchain #games https://t.co/vJZZaPuaeU',
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8600,
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rlands https://t.co/tYtCnaMrJ8 #blockchain #bitcoin #crypto',
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s://t.co/v0D4xqZVE9 #blockchain #bitcoin #crypto',
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kjWyY9 #blockchain #bitcoin #crypto',
 'TheBlockchain',
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[datetime.datetime(2019, 7, 7, 12, 20, 22),
 'Order your secure and smart BTC/ETH/Altcoin hardware wallet - Only 94.80 E
UR https://t.co/WC9nt6QCb7 #bitcoin #btc... https://t.co/kDpysGcDfS',
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s://t.co/wzy00qTHFB',
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      'Hey @SeriouslyIsJoe , any chart, video or magicball prediction for the sho
rt term for $Eth and $Vet ? Or just rekt... https://t.co/edyTYLTN34',
      'ivz026',
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      'I can say one thing that the prospects for it are huge, since this project
advertises very serious specialists who... https://t.co/kmyKW8f6w0',
      'thanhtux92',
      9830,
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    [datetime.datetime(2019, 7, 7, 12, 19, 38),
      'Our next #SummerSale Deal: great #OpenVZ #Sweden se #VPS PLans\n\n4x vCore
/ 4 GB Ram / 150 GB HDD / 4 TB BW / 99,95... https://t.co/Uz2MNljRnW',
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      'Vereinigste Staaten',
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/ 1 GB Ram / 75 GB HDD / 2 TB BW / 49,95 E... https://t.co/AUrQbiEsWF',
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 'in last crypto winter, we noticed the whole market crashed including alts.
 Therefore, people exited by selling cryp... https://t.co/o09qpDN009',
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 29,
 'Sydney, New South Wales',
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 '#BTC Mass Adoption is not far away!!! #Viena leading and spreading #Bitcoi
 n everywhere. Comercials all around the C... https://t.co/L8UdOs0XN3',
 'LongboardFamara',
 853,
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 'Bitcoin (BTC) Price Showing Positive Signs: Bulls Sighting Bullish Break\n
 ↩https://t.co/FQStaZWYdX\n📺\n▶... https://t.co/4rGZXdkRiQ',
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 d trading.\n\nPayment Proof :... https://t.co/B3ctuQUnWj',
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 dit #Bitcoin) \nI wonder if it's possible... https://t.co/zEHYIrCRAj",
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 t be no bugs now, http://146.0.77.107/... https://t.co/kPT2vh7ntB',
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 '#Bitcoin #EWaste Generation is at 8.634 kilotonnes per Year (+0.11%) http
 s://t.co/9XJfkGI4uX \n\nA footprint of 64.3... https://t.co/qUfkAUJ2at',
 'DigiEconomist',
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'▲▲ $1 = $11,389 (12:15 UTC)\n$BTC prices continue to rise!\n#Bitcoin $b
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2487,
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'The domain name https://t.co/iNNfPdBinG is for sale.\n\nAn appealing and c
ommunity-driven name is ideal for any compa... https://t.co/ICMeYiQOW4',
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'What if #bitcoin price stays between 10,000-12,000 this month & 12,000
-14,000 next month? Would that be a major fru... https://t.co/fDVGdius7F',
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'📈 Prices update in $USDT (1 hour):\n\n$BTC - 11375.83 $ (+1.02 %)\n$ETH -
294.22 $ (+1.94 %)\n$XRP - 0.4 $ (+0.3... https://t.co/gXwfMcC2p6',
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'Had dinner last night with a woman who works on wall street . She is still
laughing about #bitcoin. How pathetic. S... https://t.co/Agh062b76L',
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'Bitcoin Cash BCH Current Price:\n$404.57\n1 Hour: 0.30 % | 24 Hours: 0.74
% | 7 Days: -4.33 %\n#bch #bitcoin cash',
'aWebAnalysis',
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'New York, NY',
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"@IamCryptoWolf @PeterLBrandt I'm afraid we'll soon be able to replenish ou
r bags at a low price. #Bitcoin #BTC https://t.co/qwdEtRf6hA",
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"The 'Bubbles' That Shook the World: Part 2 - New#BitcoinUser (Reddit #Bitc
oin) \n\n submitted by /u/New#BitcoinU... https://t.co/pHfMUgXtR4",
'crypto_news24',
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'London, England',
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mp; @gverdian the CEO of $QNT\n\nThis is the mo... https://t.co/RuVGageuAA',
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94.63 $ (+2.08 %)\n$XRP - 0.4 $ (+0.54 %)... https://t.co/Zz9dXY40MW',
  'cryptosUSD',
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  'Have you ever wanted to know all about #Bitcoin or simply just get a clea
r, well informed, unbiased overview of wha... https://t.co/qhrDdpe1xU',
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in Venice in 1960, made by spreading food... https://t.co/7YZ9twusn6',
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  '#Bitcoin's 20% Slump From 2019-High Won't Kill Strong Bullish Fundamentals
https://t.co/0eUh2K9W3k https://t.co/PMcH6HN2M5',
  'AldoGiammusso',
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  'Crypto Enthusiasts Are Optimistic Of A $100k Bitcoin Value * ZyCrypto http
s://t.co/VegBmEnwx8 \n\n#Bitcoin #BTC... https://t.co/KJoKwYfkxp',
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ss with bitcoin mined from genesis block.... https://t.co/LAcquSDPg',
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  'Crypto Town, Internet',
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  '4/ This is why #bitcoin differs from "private currencies." It does not hav
e a central point of control and it will... https://t.co/vgos3kNiSU',
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'@jimmysong If you liquidate now it will be zero for all since your fiat wi
ll eventually be worthless. #hodl. Be rel... https://t.co/Z38DH51B39',
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chain ecosystem from all angles: wallets,... https://t.co/qUd9FWGfol',
'cryptosilva',
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'sainiyksaini1',
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'Use my referral code https://t.co/CgzjiGU22i to sign up for the @nashsocia
l giveaway! #TrustYourselves... https://t.co/WkgluwTopS',
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"Bitcoin Price 'Extremely Bullish' Again After 20% Pump to Over $11,000\n#B
itcoin #BTCpeek #FreeBitcoin #BTC #FreeBTC... https://t.co/6Ym19qgyX8",
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 '#Bitcoin's hash rate hits yet another all time high of 74.5 million TH/s
 (AMBCrypto) \nSince the beginning of the ye... https://t.co/074r4Ldf2A',
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 'First Successful Blockchain-tracked Shipment from South Korea to the Nethe
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'Bitcoin BTC Current Price:\n$11,324.12\n1 Hour: 0.68 % | 24 Hours: -0.34 %
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+185.7% 🚀 YTD 🚀 +20.2% \n +74% 🚀... https://t.co/fYwT57cd1
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

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BTC. (BPI +2.53%) #buy #bitcoin #banktrans',
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-0.5%  \n1week - trend: -2.05%  \nRemaining Supply: 15.219%\n#bitcoin',
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'Top 6 BTC/USD Exchange Orderbooks: Resistance til $11600:$25.5M; Support t
il $11100:$14.1M $BTC $BTCUSD #bitcoin #orderbook #news #finance',
'CryptoNewswire',
9170,
'',
0],
[datetime.datetime(2019, 7, 7, 12, 0, 16),
'A bet on Holly Holm vs. Amanda Nunes gave 500.11 mBTC to an user at http
s://t.co/wUVrybPVDB #Fairlay #Bitcoin #Crypto',
'FairlayPM',
1174,
'',
0],
[datetime.datetime(2019, 7, 7, 12, 0, 14),
'A new post: Bitcoin (BTC) Miners Unfazed by Correction to $11,000 is added
on https://t.co/oDrGCK10J6 #altnewsnu #altcoin #bitcoin #news',
'thomas_lub',
1722,
'Nederland',
0],
[datetime.datetime(2019, 7, 7, 12, 0, 10),
'If there's $100 worth of #bitcoin on a train travelling at 1mile per hour,
and it continues travelling every day un... https://t.co/ghLfZ7rcZa",
'traderdock1',
90,
'Dublin City, Ireland',
0],
[datetime.datetime(2019, 7, 7, 12, 0, 5),
'One Bitcoin now worth $11349.00@bitstamp. High $11735.000. Low $11050.000.
Market Cap $202.047 Billion #bitcoin https://t.co/qZblK7Uqkb',
'BTCTicker',
3028,
'',
0],
[datetime.datetime(2019, 7, 7, 12, 0, 5),
'One Bitcoin now worth $11342.730. Market Cap $201.945 Billion. Based on #c
oindesk BPI #bitcoin',
'BTCTicker',
3028,
'',
0],
[datetime.datetime(2019, 7, 7, 12, 0, 4),
'Jul 07, 2019 05:00AM #Bitcoin Price:\nUSD 11207.46 | EUR 10103.59 | JPY 12
29330.77',
'btcreports',

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180,
'The World',
0],
[datetime.datetime(2019, 7, 7, 12, 0, 4),
'What is the #havlening in #Bitcoin & #Litecoin, and how will it effect
#crypto holders? Guest writer Angel Deforge... https://t.co/sm0xw06j7f',
'Cloudbet',
2440,
'The Blockchain',
0],
[datetime.datetime(2019, 7, 7, 12, 0, 3),
'🔗 15:00\n$ Bitcoin = 10.961,9900 $ \n#bitcoin #btc #BTCUSD',
'kurneoldu',
821,
'Turkey',
0],
[datetime.datetime(2019, 7, 7, 12, 0, 3),
'BitcoinAverage - bitcoin price index - ($ 11350.6) - https://t.co/z6cbnPDd
mv #bitcoin https://t.co/CR9xc49CNs',
'BitcoinAverage',
6574,
'United Kingdom',
0],
[datetime.datetime(2019, 7, 7, 12, 0, 3),
"Join 'The Signal Premium' \n\n- Daily early trade Signals\n- 80% success r
ate\n- Premium Telegram & Twitter access\n- fo... https://t.co/NctlwC50WA",
'thesignalio',
7573,
'London/Tokyo',
0],
[datetime.datetime(2019, 7, 7, 12, 0, 2),
'Binance Report: Bitcoin Decorrelated with Other Cryptos in Q2 2019\n\n#Bin
ance #Bitcoin https://t.co/P3BGUH3Ld9',
'quadency',
1722,
'New York, NY',
0],
[datetime.datetime(2019, 7, 7, 12, 0, 2),
'Bitcoin: $11,327.33\n -0.37% (-$41.69)\nHigh: $11,656.09\nLow: $11,060.46
\nVolume: 215\n\n$BTC #BTC #bitcoin',
'cryptcoin_trade',
728,
'',
0],
[datetime.datetime(2019, 7, 7, 12, 0, 1),
"The Bitcoin $BTC price is currently 11310.56 $USD or 10070.35 $EUR.\nIt's
the number #1 cryptocurrency on the Earth... https://t.co/TC3u7gg7CR",
'the1bitcoinbot',
286,
'',
0],
[datetime.datetime(2019, 7, 7, 12, 0, 1),
'Bitcoin - BTC\nPrice: $11,308.99\nChange in 1h: +0.58%\nMarket cap: $201,3
44,226,800.00\nRanking: 1\n#Bitcoin #BTC',
'coinstats',
3465,
'Blockchain',

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0],
[datetime.datetime(2019, 7, 7, 12, 0, 1),
'You Suffer . . . But why !? Bitcoin just hit $11,342.73, time to remotely
toggle your rig at home... #bitcoin',
'NapalmDeathBot',
94,
'Silicon Valley / Birmingham',
0],
[datetime.datetime(2019, 7, 7, 11, 59, 52),
'@DoveyWan I love the people not in #bitcoin reminding you to take profit
s.',
'AmericanDigi',
137,
'United States',
0],
[datetime.datetime(2019, 7, 7, 11, 59, 42),
'#BitcoinCash can now be used to #invest in Scottish Craft Beer Company #Br
ewdog.\n\nAlso, BitcoinCash Scaling Benchma... https://t.co/ln9mD40J1s',
'SheriUcar',
3176,
'Victoria, Australia',
3],
[datetime.datetime(2019, 7, 7, 11, 59, 26),
'@densnet911 @DomSchiener My feelings exactly. #bitcoin has a huge #scalabi
lity issue still. Something that is still... https://t.co/SJsNFyi3Xa',
'KPabrai',
163,
'Kolkata, India',
0],
[datetime.datetime(2019, 7, 7, 11, 59, 24),
"Uploading live trade. \nJust made $1236 in just a trade. \nDon't blame any
one for being poor, use the opportunities y... https://t.co/CYKb1MGAEq",
'kov_steven',
14,
'',
0],
[datetime.datetime(2019, 7, 7, 11, 59, 5),
'just finished to compare all liquidated positions since 70 days on @BitMEX
dotcom . During the Bull Run, most of peo... https://t.co/Jlm3i1RiFb',
'BrutalTrade',
68,
'World',
1],
[datetime.datetime(2019, 7, 7, 11, 59, 2),
'Ask me how I know everytime...#bitcoin #trading #profit #marketspyx http
s://t.co/gQrMbKD2X7',
'cryptopocalypse',
649,
'',
0],
[datetime.datetime(2019, 7, 7, 11, 58, 40),
'🔪 40,000 BTR #CONTEST 🖋️ BITRUE COIN & EXCHANGE #GIVEAWAY\n\nTO
ENTER:\n\n1️⃣ CLICK LINK BELOW & SIGN-UP\n\n2️⃣ FOLLOW... https://t.co/GwEXr
7rKIG',
'Rostisl57196626',
2866,
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0],
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 '#bitcoin Norway exchange got hacked. And now its gone.\n\n250k users lost
everything\n#crypto #bitcoin',
 'theo_crypto99',
 630,
 '',
 1],
[datetime.datetime(2019, 7, 7, 11, 57),
 'DRIFE is a decentralized ride-hailing platform powered by blockchain with
the intent of empowering both, the driver... https://t.co/oAR5xYYZlr',
 'FighterofLove_',
 30461,
 '',
 0],
[datetime.datetime(2019, 7, 7, 11, 57),
 'Happy World Chocolate Day to YOU!!!!\nEnjoy this decadent day with Free S
pins on Lucky Sweets!\n#WorldChocolateDay... https://t.co/aSLtAIJ6gy',
 'CryptoWild777',
 101,
 '',
 0],
[datetime.datetime(2019, 7, 7, 11, 56, 36),
 'Mining rewards are paid to the miner who discovers a solution to the puzzl
e first, and the probability that a parti... https://t.co/7rDhv7SPsa',
 'Trustinvestmen5',
 237,
 'United Kingdom',
 1],
[datetime.datetime(2019, 7, 7, 11, 56, 21),
 '$ value over 1 year: +55.01%, (+$4016.85) [Currently $11318.5] #bitcoin',
 'PlattsburghBTC',
 3777,
 'Plattsburgh, NY',
 0],
[datetime.datetime(2019, 7, 7, 11, 55, 59),
 'How to Watch the USA vs. Netherlands Women's World Cup Final Live Online f
or Free #Bitcoin #Btc #Cryptocurrency... https://t.co/7oNuvgs8WE',
 'StartBitcoinOK',
 548,
 '',
 0],
[datetime.datetime(2019, 7, 7, 11, 55, 45),
 'The world's leading and most trusted hashpower provider for Bitcoin.\nhttp
s://t.co/oEdXWvXDRv\n\nTags: #bitcoin... https://t.co/rNIAcNBd9n",
 'bobmarne',
 36,
 'ormoc city leyte',
 0],
[datetime.datetime(2019, 7, 7, 11, 55, 32),
 '@JWilliamsFstmed Inequality in #Bitcoin is already worse than in North-Kor
ea https://t.co/efrTpur9B9',
 'DigiEconomist',
 2714,
 '',
 1],
[datetime.datetime(2019, 7, 7, 11, 55, 30),

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'Bitcoin may lose 70% of its miners\n#bitcoin #BTC #cryptocurrencynews #cry
ptocurrency #blockchain #event... https://t.co/VK13IOpegd',
'weplaycoins',
104,
'',
0],
[datetime.datetime(2019, 7, 7, 11, 55, 15),
'For all those purists, looks like Bitcoin mining is (still) not really dec
entralized either ... https://t.co/Wl9Hjcx1CN #Libra #Bitcoin',
'rbamert',
50,
'zurich',
0],
[datetime.datetime(2019, 7, 7, 11, 55, 14),
"@CCNMarkets #securocrypto of course it is.. Crypto has been built up by bitco
in.. Without it, it's never does!... https://t.co/MJrah0o0vf",
'mr_name13',
101,
'Jakarta, Indonesia',
0],
[datetime.datetime(2019, 7, 7, 11, 54, 49),
"$Doge is one of the most fractal coins I've seen, recently listed in @bina
nce, look at the price look at the fracta... https://t.co/8MNaZvQe99",
'Otitrader',
105,
'Comunidad de Madrid, España',
0],
[datetime.datetime(2019, 7, 7, 11, 54, 42),
'@PeterLBrandt Worst case #ltc #litecoin #bitcoin #btc https://t.co/j5RNp7h
JBf',
'xtdiskfe',
5279,
'',
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'What is the Probability a Random #Bitcoiner will Send BTC to My #Bitcoin W
allet\n\nBTC\n1LU65awXmxBgPxTgguuKciXgy4hqBk... https://t.co/i7swmcD2oz',
'HaShForce101',
1288,
'Australia',
0],
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'My brain on #crypto \n\n#Blockchain #litecoin #bitcoin #monero #zcash #ver
tcoin #neo https://t.co/DVqZEHH9iq',
'growthpunk',
654,
'CryptoChain🌀',
0],
[datetime.datetime(2019, 7, 7, 11, 53, 29),
'Be a wealthy man/woman shake banks with your profits with a single investm
ent. Join I and my management team and le... https://t.co/RXVN9n8r00',
'investor_suarez',
0,
'Manchester, London',
1],
[datetime.datetime(2019, 7, 7, 11, 53, 18),
'@PeterLBrandt Worst case is 8000-8500\n\nBitcoin never dropped more than 4

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0% drop during the bull market\n\n#ltc #litecoin #bitcoin #btc',
'xtdisnkfe',
5279,
'',
2],
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 '@CINDXPlatform The CINDX team is delighted with the results of the sales r
ounds, and has always been certain of suc... https://t.co/QahSECjf0k',
'Maharab_forhad',
10112,
'Dhaka, Norshingdi Bangladesh',
0],
[datetime.datetime(2019, 7, 7, 11, 53, 12),
'Took a quick Shower, came back to this 🤔🤔🤔\n\n@twetchapp is an great a
dventure 🤔\n\n#twetch #newtwitter #bitcoinsv... https://t.co/Hv4vrDrZWS',
'DudeLion420',
393,
'Frankfurt am Main, Deutschland',
1],
[datetime.datetime(2019, 7, 7, 11, 52, 7),
'Australian Woman Travels to Ten Countries in 12 Weeks on Cryptocurrency Al
one\n👉https://t.co/sUF5Nk38tm\n👉\n👉... https://t.co/pS0D1xv6bz',
'Remi_Vladuceanu',
161173,
'Blockchain',
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'Anything helps #bitcoin bitcoin:bc1qvd8gjy7g308xjcsul329xta0yevpgwmpx2wwt
n?amount=0.009',
'BENNYMUNOZ11',
20,
'',
0],
[datetime.datetime(2019, 7, 7, 11, 51, 7),
'Download New 2017 Ringtones! https://t.co/gYwgOEKrXK #AU ##jexpotz #bitcoi
n',
'jexpotz',
284,
'',
0],
[datetime.datetime(2019, 7, 7, 11, 50, 57),
'Sorry...but I need to rephrase.\n\n#Crypto: overrated by insiders, not und
erstood by outsiders.\n\n#Blockchain: complet... https://t.co/z16jL4FMB6',
'AleksSvetski',
1745,
'Uranus',
5],
[datetime.datetime(2019, 7, 7, 11, 50, 54),
'Try jferdinand at https://t.co/L4NuAgzyYq only £9,320.00 per BTC. (BPI +2.
91%) #buy #bitcoin #banktrans',
'Bitty_Bot',
2711,
'London, UK',
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[datetime.datetime(2019, 7, 7, 11, 50, 24),
'#bitcoin BTCUSD SHORT 1 HR Chart - Chance of Long stays for BITSTAMP:BTCUS
D by Renkotrade https://t.co/zmrF3NJWoZ https://t.co/Ap2mQ3WIps',

```

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'bitcoinagile',
51682,
"Matter Doesn't Matter",
0],
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'#FreeBitcoin every 15 minutes! #Bitcoin https://t.co/KJuMEYC5Qx',
'BitcoinOps',
4997,
'WORLDWIDE',
0],
[datetime.datetime(2019, 7, 7, 11, 49, 36),
"The motivation for all of you: #bitcoin #btc #motivation KEEP THEM POOR |
This Is What The Richest Don't Want You T... https://t.co/JRDZsu7uF1",
'Cryptobybit',
74,
'Jersey',
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[datetime.datetime(2019, 7, 7, 11, 49),
'1. ErisX gets CFTC approval to launch $BTC futures\n2. Blockstream launch
s atomic swaps\n3. U.K. approves first... https://t.co/HUWAojpd4W',
'cryptounfolded',
1584,
'Twitter',
0],
[datetime.datetime(2019, 7, 7, 11, 48, 35),
'@PeterSchiff @APompliano Happily accepting #bitcoin you don't want or are
just giving away (please convert me too 😊... https://t.co/MTRddIXPlv',
'phrowto',
158,
'Worldwide',
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'Increasing Institutional Investment Spurs #Bitcoin Growth - https://t.co/S
9STMbmyf8 https://t.co/SQIUCVYVmy #crypto https://t.co/o6ls3fmPY0',
'jasoncreation',
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'UK and EMEA',
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"Haven't been posting been in dev mode busy working on the indicator\n\nAdd
ed RyuKumo to Kashikoi\n\nSee example below s... https://t.co/m1AsgIb3cK",
'RyuzakiBTC',
2593,
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'One shitcoin for another shitcoin @nouriel @crypto @business \n#bitcoin #b
tc #ethereum #crypto #cryptocurrency... https://t.co/otRzp0OoKU',
'1thousandx',
1474,
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'How to Securely Upgrade Wasabi Wallet v1.1.6 and Cold Card v2.1.1 https://
t.co/Xsv86Jai3o #blockchain #bitcoin #fintech #crypto',
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'',
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'NEW Bitmain Antminer S17 Pro 53TH/s (62TH/s TURBO MODE) SHA-256 ASIC Miner
https://t.co/2pwreN2iPO #bitcoin #crypto #antminer #bitmain',
'bmine3rz',
63429,
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'They're going to short #Bitcoin and pump #XRP. https://t.co/FPE5lWRmhM",
'BearableR',
494,
'Mars',
0],
[datetime.datetime(2019, 7, 7, 11, 46, 6),
'#bitcoin\n\nDaily close yesterday was just strong enough to keep bullish b
ias\n\nBulls are doing just enough right now... https://t.co/JBe6196Nf8',
'nebraskangooner',
27747,
'Nebraska, USA',
2],
[datetime.datetime(2019, 7, 7, 11, 46, 6),
'Binance has the most volume of any crypto exchanges!\nRegister:\n\nhttp
s://t.co/OLWoh1b8UV\n\n$EMC $SMART $POE $RLC $HT... https://t.co/SPI3JxHQsZ',
'HistoriaImagens',
16361,
'',
0],
[datetime.datetime(2019, 7, 7, 11, 45, 35),
'Iranian IT minister urges government to regulate #bitcoin mining: Mohammad
Javad Azari Jahromi, the country's Infor... https://t.co/C2zFoJ5A03',
'HSchendera',
51133,
'Friedberg, Deutschland',
0],
[datetime.datetime(2019, 7, 7, 11, 45, 13),
'Buy or sell $100 of digital currency or more, you will get $10 of free bit
coin. https://t.co/HovVtHEwOe #bitcoin... https://t.co/gPxhY6vdrq',
'HistoryViewVR',
2688,
'Boston, Massachusetts',
1],
[datetime.datetime(2019, 7, 7, 11, 45, 2),
'#Flexa and #litecoin baby. Long $LTC 🐼🐼🐼 #bitcoin $btc $eth $xrp $lin
k $bnb https://t.co/oLREvsBfJc',
'DerivativeD',
18,
'',
4],
[datetime.datetime(2019, 7, 7, 11, 45),
'LAToken opens DROID Token sale (https://t.co/d9WN3aNT4E) - Video Game Coll
ectible on Blockchain, watch and subscrib... https://t.co/ya85mXeXDO',
'EPalackic',
296,
'',
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[datetime.datetime(2019, 7, 7, 11, 44, 53),
'Maduro's scheme to give away petro to Venezuela's youth is good for bitcoi
n\n#bitcoin #Crypto\n https://t.co/PyLPjkgZym',
'Paladin_442',
55,
'',
0],
[datetime.datetime(2019, 7, 7, 11, 44, 4),
'As ##Bitcoin pump continues, twitter weighs in on how far this market can
go\n\nAs Bitcoin is continuing to see new h... https://t.co/HqXcGiiS3C',
'Iliadromal',
160,
'Norway',
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[datetime.datetime(2019, 7, 7, 11, 43, 42),
'This was written 9th of April, 2018. How can we save Bitcoin from such FU
D?\n\n#FUD #Bitcoin #BTC https://t.co/6LubgZEKLZ',
'CryptonianJake',
486,
'Somewhere',
0],
[datetime.datetime(2019, 7, 7, 11, 43, 2),
'@tylerwinklevoss Anyways. Just. Buy. Bitcoin.\n\n@coinbase #venezuela #inf
lation #deflation #bitcoin... https://t.co/eLPmPJxNnM',
'hyperfreeorg',
15,
'Bangkok, Thailand',
0],
[datetime.datetime(2019, 7, 7, 11, 43, 2),
'As of July 6, 2019 at 06:43AM, 1 BTC = 11246.7695 USD. ☺ https://t.co/ksC
OqyBwFU ☺ #Investing #fire #ira #401k... https://t.co/A4Aj7UeZhb',
'retiredin2016',
1323,
'Irapuato, Guanajuato',
0],
[datetime.datetime(2019, 7, 7, 11, 42, 48),
'Free Bitcoins - Earn $65 free btc in 5 minutes https://t.co/z57uhRjyto #bi
tcoin #freebtc #getbtc',
'claudioimenezes',
114,
'Rio de Janeiro',
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'We just have begun $ppt #ppt #populous \n\nTarget 22$ coming \n\n#bitcoin
#altcoin @BitPopulous',
'palmvenichebeac',
6,
'',
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[datetime.datetime(2019, 7, 7, 11, 42, 29),
'2017-2019 chart looks like the 2014-2017 chart \nIs it gonna be the same ?
☺☺\n\n#bitcoin #blockchain #crypto... https://t.co/vEgBE7VKHs',
'meegaa01',
133,
'',
0],
[datetime.datetime(2019, 7, 7, 11, 42, 12),
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'Earn Bitcoins only surfing the web Install CryptoTab and mine Bitcoin! htt
ps://t.co/S1rh71WmCc #bitcoin #cryptoTab #googleChrome',
'pedrobrito2004',
5661,
'',
0],
[datetime.datetime(2019, 7, 7, 11, 41, 30),
'I literally just shut the comp thinking 'I should put in a long, surely th
is bounces' but opted to play it safe. Ju... https://t.co/nDpn4Rsvzr",
'FractalsBTC',
82,
'',
1],
[datetime.datetime(2019, 7, 7, 11, 41, 17),
'$STRAT Target Hit! 20% Profit 📈\n\nFor more signals,join https://t.co/i0N
qbyHPki\n\n#huobi $APL #cindicator $MAN $XVG... https://t.co/7ILUmH0qpd',
'cryptoexp75475B',
3,
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'$btc social posts volume and sentiment in last period. sentiment calculate
d with machine learning from social texts... https://t.co/8E1Rb5Qgbk',
'bittsanalytics',
2550,
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'The Historical Price Impact of a Block Reward Halving on Bitcoin and Litec
oin\n📄https://t.co/cyadTWdkgQ\n📄\n📄... https://t.co/6x1P30Z9bE',
'Remi_Vladuceanu',
161173,
'Blockchain',
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'📈 $ALGO - $USDT 📈\n#bitcoin - $btc - #algorand https://t.co/N8Cv1aImc
s',
'nohodl',
120,
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[datetime.datetime(2019, 7, 7, 11, 41, 5),
'Live now! Its Not about Craig Wright - Its about the Technology #Bitcoin h
ttps://t.co/aJ7tL7Tosb via @YouTube',
'ruthneasman',
1272,
'england',
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'Awesome! 📈 #XVG #Verge #BTC #Bitcoin #Altcoin #Krypto #ETH #LTC #XRP #Ver
geCurrency #VergeFam https://t.co/5WHpU0qUE7',
'sascha0777',
12,
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'#crypto mkt cap last hour\n\n📈\n$BTC +1.157b\n$ETH +369.439m\n$XRP +106.0

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17m\n\n☁\n$WAVES -8.338m\n$DOGE -5.491m\n$SOLVE -5.... https://t.co/0YoldoBnv
w',
  'analyst5_bot',
  6762,
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  'Who says sundays are only dump days.\n\n#ETH #Bitcoin #Trading https://t.co/YsF10UJPsk',
  'Fugazi14138354',
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  'Republic of Crypto',
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  '#bitcoin BTCUSD SHORT 1 HR Chart chance of Long stays for BITSTAMP:BTCUSD by Renkotrade #BTCUSD... https://t.co/s7mdTEN4ED',
  'bitcoinagile',
  51682,
  "Matter Doesn't Matter",
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  'Bitcoin (BTC) Miners Unfazed by Correction to $11,000 @EtherWorldNews #Bitcoin News #Crypto Analysis #bitcoin... https://t.co/ln9c3g25wT',
  'tokentalkco',
  13762,
  'London',
  1],
[datetime.datetime(2019, 7, 7, 11, 39, 27),
  '@officialmcafee The best plan ever now is #BTCN @BitcoiNote same total supply like #bitcoin . #BTC already delayed... https://t.co/b7vd74237t',
  'satoshicreator',
  125,
  '',
  0],
[datetime.datetime(2019, 7, 7, 11, 39, 20),
  "Women's World Cup Finals starts at 11 am EST. Get in on the action and wager with #bitcoin, #syscoin, #litcoin, and... https://t.co/4CDKzWzljt",
  'casinobitcoin',
  2174,
  'Surrey, British Columbia',
  3],
[datetime.datetime(2019, 7, 7, 11, 38, 36),
  'New Crypto-Friendly Bank Cashaa Offers Personal and Business Accounts |\n\nDaneel indicator: 😊 Positive 😊\n\nfull artic... https://t.co/nUMn7ZRW5v',
  'MK_Algorithmic',
  111,
  'Somewhere',
  0],
[datetime.datetime(2019, 7, 7, 11, 38, 34),
  'Get #eterbase total trading volume, trading fees, pair list and other cryptocurrency exchange on coingecko\n#bitcoin... https://t.co/lQRtnfvj4D',
  'nu_wibowo',
  3524,
  'Jawa Tengah, Indonesia',
  0],
[datetime.datetime(2019, 7, 7, 11, 38, 24),
  '▲ $1 = $11,313 (11:29 UTC)\n$BTC prices rise!\n#Bitcoin $btcusd #btcusd #

```

```

btc https://t.co/C8rPfnxCJV',
  'nowonbitcoin',
  2487,
  '฿',
  0],
[datetime.datetime(2019, 7, 7, 11, 38, 24),
  '📈 $ALGO - $USDT 📈\n#bitcoin - $btc - #algorand https://t.co/tgXJQAT3T
1',
  'nohod1',
  120,
  '',
  0],
[datetime.datetime(2019, 7, 7, 11, 38, 3),
  '#Free #bitcoin mining! \n\nEarn btc easily 0.015/month\n\nJust go to lin
k:\n\nhttps://t.co/roz5UfEg8M\n\nAnd enjoy hassle free earning!',
  'Sashamcua',
  1103,
  'USA',
  1],
[datetime.datetime(2019, 7, 7, 11, 37, 52),
  '$ENJ ST1 Hit! 18% Profit in a day!\n\nFor 10x gains, join https://t.co/MUK
oTnKy4v\n\n#airdrop $ATOM #bitcoin $MFT... https://t.co/7gZ3EQsNcs',
  'cryptoexp75475A',
  5,
  '',
  0],
[datetime.datetime(2019, 7, 7, 11, 37, 51),
  'Bitcoin (BTC) Miners Unfazed by Correction to $11,000 -\nhttps://t.co/h5IL
aQdmKw\n#Bitcoin #Cryptocurrency #Blockchain https://t.co/Kv2KVXWnen',
  'BitcoinNewsBull',
  1986,
  '',
  1],
[datetime.datetime(2019, 7, 7, 11, 37, 5),
  'As far as i have experienced i believe this is one of the best internet se
rvice provider. Itz fast and even the pri... https://t.co/g6vJEp922G',
  'alaluddin594',
  1901,
  '',
  3],
[datetime.datetime(2019, 7, 7, 11, 36, 21),
  "A successful trader knows that he doesn't need to predict prices.\nA succe
ssful trader reacts at whatever the Price... https://t.co/UrQDuMcNCf",
  'Crypto_Academy_',
  509,
  'Frankfurt on the Main, Germany',
  0],
[datetime.datetime(2019, 7, 7, 11, 35, 13),
  'The Hardware Bitcoin Wallet. Get Trezor now for only 89 EUR https://t.co/R
yPUbEzrNS #btc #bitcoin 07 https://t.co/BylrrtNf39',
  'coinok',
  8772,
  '',
  0],
[datetime.datetime(2019, 7, 7, 11, 35, 5),
  'The Bitcoin Bubble? Why Optimistic Investors May Have Been Right. #CryptoC
urrencies #Bitcoin #crypto #HubPages https://t.co/SXdYQFp03K',

```

```

'crypto_choochoo',
717,
'Germany',
0],
[datetime.datetime(2019, 7, 7, 11, 34, 22),
'#bitcoin price overview waves 07.07.2019 for BITFINEX:BTCUSD by QuantumHF
https://t.co/8gNf3Yc0r4 https://t.co/QE5mRzW0XJ',
'bitcoinagile',
51682,
"Matter Doesn't Matter",
0],
[datetime.datetime(2019, 7, 7, 11, 33, 42),
'Is that another lower high $btc yawn. #bitcoin',
'Ohambleton',
630,
'Stoke',
1],
[datetime.datetime(2019, 7, 7, 11, 33, 41),
'Spot on! $btc\n"The one thing that\'s missing, but that will soon be devel
oped, is a reliable e-cash."\n\nMilton Friedm... https://t.co/SfkUjT6MVo',
'Poolkye',
253,
'-Everywhere i can be-',
0],
[datetime.datetime(2019, 7, 7, 11, 33, 37),
'Bitcoin (BTC) Miners Unfazed by Correction to $11,000 https://t.co/oLlCmGV
NbL #BitcoinNews #CryptoAnalysis #bitcoin https://t.co/DWNeHUuad0',
'RoccoDallas',
1949,
'Toronto, Ontario',
0],
[datetime.datetime(2019, 7, 7, 11, 32, 47),
'Please like and subscribe! #money #research #moneyresearch #finance #finan
cialresearch #blockchain #bitcoin... https://t.co/j5f6mUhrJN',
'Michael_Lamla',
139,
'Saarbrücken',
0],
[datetime.datetime(2019, 7, 7, 11, 32, 35),
'https://t.co/xJXDhtr57B #bitcoin #exchange Eterbase allows users to make a
nd receive SEPA payments in their persona... https://t.co/kHf0009Kie',
'Yashwant1606',
3258,
'Rampur Maniharan, Saharanpur',
0],
[datetime.datetime(2019, 7, 7, 11, 32, 2),
'Elizabeth Warren Wins Respect in Unlikely Place-Wall Street #Bitcoin #Btc
#Cryptocurrency #finance #forex #markets... https://t.co/oupHYBxTxS',
'StartBitcoinOK',
548,
'',
0],
[datetime.datetime(2019, 7, 7, 11, 31, 55),
'This gives a percept of why Gaming companies are splurging millions of dol
lars \n#orionixtoken #blockchain #ethereum... https://t.co/NlCOKTqwx4',
'RIF_51',
5104,





```

```
'United Arab Emirates',  
0],  
[datetime.datetime(2019, 7, 7, 11, 31, 48),  
'100 days with CryptoGlax! \n\n😄😄What amazing news!😄😄\nhttps://t.co/c  
WYlJxaQH3\n\n#cryptoglax #bitcoin #cryptoNews... https://t.co/KSs5K1qX64',  
'CryptoglaxC',  
119,  
'London, England',  
0]]
```

```
In [34]: tweet_text = pd.DataFrame(data=users_locs,  
                                   columns=["DateTime", "Tweet", "Handle", "Followers", "Location", "Retweet Count"])  
tweet_text
```


Out[34]:

	DateTime	Tweet	Handle	Followers	Location	Retweet Count
0	2019-07-07 13:10:35	1 BTC Price: Bitstamp 11369.71 USD Coinbase U...	coinok	8772		0
1	2019-07-07 13:10:33	President Maduro Orders The Bank of Venezuela ...	TheBlockchain	8600		0
2	2019-07-07 13:10:33	39,000 More Merchants Can Accept Litecoin With...	TheBlockchain	8600		0
3	2019-07-07 13:10:32	US Congress Requests Moratorium on Facebook's ...	TheBlockchain	8600		0
4	2019-07-07 13:10:32	Binance Charity Announces Alliance to Support ...	TheBlockchain	8600		0
5	2019-07-07 13:10:31	Economist Joseph Stiglitz: Only a Fool Would T...	TheBlockchain	8600		0
6	2019-07-07 13:10:31	'Release the Tape You Coward' — Roubini Tells ...	TheBlockchain	8600		0
7	2019-07-07 13:10:30	Advocacy Groups Call on Congress to Stop Libra...	TheBlockchain	8600		0
8	2019-07-07 13:10:29	Operator of Newly Launched Binance US Appoints...	TheBlockchain	8600		0
9	2019-07-07 13:10:29	Crypto Exchange Bitfinex Repaid \$100 Million t...	TheBlockchain	8600		0
10	2019-07-07 13:10:28	IOTA Foundation Launches Trinity, a New Softwa...	TheBlockchain	8600		0
11	2019-07-07 13:10:28	Max Keiser: Altcoin Phenomenon Finished, Value...	TheBlockchain	8600		0
12	2019-07-07 13:10:26	Weiss Ratings: Litecoin 'Excellent' in Adoptio...	TheBlockchain	8600		0
13	2019-07-07 13:10:26	Bitcoin Price Clings to \$11,000 as Analysts Pr...	TheBlockchain	8600		0
14	2019-07-07 13:10:25	Cryptocurrency Mobile App Downloads Stall Amid...	TheBlockchain	8600		0
15	2019-07-07 13:10:04	Bitcoin BTC Current Price:\n\$11,344.16\n1 Hour...	aWebAnalysis	1109	New York, NY	0
16	2019-07-07 13:10:04	Eterbase Coin (XBASE) is going to partially mi...	Peacelovers	18884		0

	DateTime	Tweet	Handle	Followers	Location	Retweet Count
17	2019-07-07 13:10:02	Top 5 #cryptocurrencies \n Alert Time: 2019-07...	CoinCapsAi	4978	The World	0
18	2019-07-07 13:10:02	Following up on #bitcoin chart. \n\nBroke down...	BTC_y_tho	992		0
19	2019-07-07 13:09:57	A great project with a very cool idea! These a...	deboraharol	1114		0
20	2019-07-07 13:09:34	 #Bitcoin 11390 vs  #AAPL 204\n\n-22...	SntoshiNakamoto	50	Toronto	0
21	2019-07-07 13:09:18	When such a strong team of developers gather t...	denisecollinsa	1108	Lagos, Nigeria	0
22	2019-07-07 13:09:00	The Most Comprehensive Digital Wallet Guide: h...	teaconnexions	28017	Kingston, ON, Canada	0
23	2019-07-07 13:08:54	Iranian IT minister urges government to regula...	StartBitcoinOK	548		0
24	2019-07-07 13:08:27	I believe that investing in this project is th...	cynthiataylorcy	966	भारत	0
25	2019-07-07 13:08:20	ALERT! LAKEHOME - OUTSIDE PROJECT - SCAM SIGNA...	EmilyHyipNews	249		0
26	2019-07-07 13:08:04	Let's remember there will only ever be 21 mill...	WomanBlockchain	4938	Decentralized	3
27	2019-07-07 13:08:00	► What is Bitcoin Value Today? #Bitcoin #Bitco...	MasterBitcoin_	40457		0
28	2019-07-07 13:07:52	WikiLeaks Has Received More Than \$46 Million i...	TheBitcoinNews	63449	The Internet	0
29	2019-07-07 13:07:48	@ETERBASE sticks to the most elevated administ...	mohadrop	1154		0
...
470	2019-07-07 11:41:11	The Historical Price Impact of a Block Reward ...	Remi_Vladuceanu	161173	Blockchain	0
471	2019-07-07 11:41:10	 ALGO-USDT  \n#bitcoin - \$btc - #algorand...	nohodl	120		0
472	2019-07-07 11:41:05	Live now! Its Not about Craig Wright - Its abo...	ruthheasman	1272	england	0

	DateTime	Tweet	Handle	Followers	Location	Retweet Count
473	2019-07-07 11:40:48	Awesome! 🚀 #XVG #Verge #BTC #Bitcoin #Altcoin ...	sascha0777	12		0
474	2019-07-07 11:40:45	#crypto mkt cap last hour\n\n🚀\n\$BTC +1.157b\n...	analyst5_bot	6762		1
475	2019-07-07 11:40:27	Who says sundays are only dump days.\n\n#ETH #...	Fugazi14138354	14	Republic of Crypto	0
476	2019-07-07 11:40:04	#bitcoin BTCUSD SHORT 1 HR Chart chance of Lon...	bitcoinagile	51682	Matter Doesn't Matter	0
477	2019-07-07 11:39:35	Bitcoin (BTC) Miners Unfazed by Correction to ...	tokentalkco	13762	London	1
478	2019-07-07 11:39:27	@officialmcafee The best plan ever now is #BTC...	satoshicreator	125		0
479	2019-07-07 11:39:20	Women's World Cup Finals starts at 11 am EST. ...	casinobitcoin	2174	Surrey, British Columbia	3
480	2019-07-07 11:38:36	New Crypto-Friendly Bank Cashaa Offers Persona...	MK_Algorithmic	111	Somewhere	0
481	2019-07-07 11:38:34	Get #eterbase total trading volume, trading fe...	nu_wibowo	3524	Jawa Tengah, Indonesia	0
482	2019-07-07 11:38:24	11,313(11 : 29UTC) 📈 \$1 = 📉 BTC prices rise!\n...	nowonbitcoin	2487	฿	0
483	2019-07-07 11:38:24	📈 ALGO - USDT 📈\n\n#bitcoin - \$btc - #algorand...	nohodl	120		0
484	2019-07-07 11:38:03	#Free #bitcoin mining! \n\nEarn btc easily 0.0...	Sashamcua	1103	USA	1
485	2019-07-07 11:37:52	\$ENJ ST1 Hit! 18% Profit in a day!\n\nFor 10x ...	cryptoexp75475A	5		0
486	2019-07-07 11:37:51	Bitcoin (BTC) Miners Unfazed by Correction to ...	BitcoinNewsBull	1986		1
487	2019-07-07 11:37:05	As far as i have experienced i believe this is...	alaluddin594	1901		3
488	2019-07-07 11:36:21	A successful trader knows that he doesn't need...	Crypto_Academy_	509	Frankfurt on the Main, Germany	0
489	2019-07-07 11:35:13	The Hardware Bitcoin Wallet. Get Trezor now fo...	coinok	8772		0

	DateTime	Tweet	Handle	Followers	Location	Retweet Count
490	2019-07-07 11:35:05	The Bitcoin Bubble? Why Optimistic Investors M...	crypto_choochoo	717	Germany	0
491	2019-07-07 11:34:22	#bitcoin price overview waves 07.07.2019 for B...	bitcoinagile	51682	Matter Doesn't Matter	0
492	2019-07-07 11:33:42	Is that another lower high \$btc yawn. #bitcoin	Ohambleton	630	Stoke	1
493	2019-07-07 11:33:41	Spot on! \$btc\n"The one thing that's missing, ...	PooLkye	253	-Everywhere i can be-	0
494	2019-07-07 11:33:37	Bitcoin (BTC) Miners Unfazed by Correction to ...	RoccoDallas	1949	Toronto, Ontario	0
495	2019-07-07 11:32:47	Please like and subscribe! #money #research #m...	Michael_Lamla	139	Saarbrücken	0
496	2019-07-07 11:32:35	https://t.co/xJXDhtr57B #bitcoin #exchange Ete...	Yashwant1606	3258	Rampur Maniharan, Saharanpur	0
497	2019-07-07 11:32:02	Elizabeth Warren Wins Respect in Unlikely Plac...	StartBitcoinOK	548		0
498	2019-07-07 11:31:55	This gives a percept of why Gaming companies a...	RIF_51	5104	United Arab Emirates	0
499	2019-07-07 11:31:48	100 days with CryptoGlax! \n\n🤔🤔What amazing n...	CryptoglaxC	119	London, England	0

500 rows × 6 columns

Running model on the live tweet data

```
In [35]: # Calculating average feature vectors for test set
clean_test_live_reviews = []
for review in tweet_text['Tweet']:
    clean_test_live_reviews.append(review_wordlist(review, remove_stopwords=True))

testDataVecs_live = getAvgFeatureVecs(clean_test_live_reviews, model, num_features)
```

Review 0 of 500

```
C:\ProgramData\Anaconda3\lib\site-packages\ipykernel_launcher.py:13: DeprecationWarning: Call to deprecated `__getitem__` (Method will be removed in 4.0.0, use self.wv.__getitem__() instead).
del sys.path[0]
```

```
In [36]: # Predicting the sentiment values for test data and saving the results in a csv file
result = forest.predict(testDataVecs_live)
#result
```

```
In [37]: # Collecting the predicted sentiments and storing it as an output dataframe
output_live = pd.DataFrame(data={"DateTime": tweet_text['DateTime'], "Tweet": tweet_text['Tweet'], "Handle": tweet_text['Handle'], "Followers": tweet_text['Followers'], "Location": tweet_text['Location'], "Retweet Count": tweet_text['Retweet Count'], "Sentiment": result})
output_live.head()
```

Out[37]:

	DateTime	Tweet	Handle	Followers	Location	Retweet Count	Sentiment
0	2019-07-07 13:10:35	1 BTC Price: Bitstamp 11369.71 USD Coinbase U...	coinok	8772		0	1
1	2019-07-07 13:10:33	President Maduro Orders The Bank of Venezuela ...	TheBlockchain	8600		0	1
2	2019-07-07 13:10:33	39,000 More Merchants Can Accept Litecoin With...	TheBlockchain	8600		0	1
3	2019-07-07 13:10:32	US Congress Requests Moratorium on Facebook's ...	TheBlockchain	8600		0	1
4	2019-07-07 13:10:32	Binance Charity Announces Alliance to Support ...	TheBlockchain	8600		0	1

```
In [38]: # write to csv file
output_live.to_csv("Output/live_output.csv", index= False, header=True)
```