News Mood Analysis

- Observed Trend:
- Observed Trend:
- Observed Trend:

In [1]:

```python
import tweepy
# import json
import numpy as np
import matplotlib.pyplot as plt
import pandas as pd
import apikeys

from vaderSentiment.vaderSentiment import SentimentIntensityAnalyzer
analyzer = SentimentIntensityAnalyzer()

# Twitter API Keys
consumer_key = apikeys.TWITTER_CONSUMER_KEY
consumer_secret = apikeys.TWITTER_CONSUMER_SECRET
access_token = apikeys.TWITTER_ACCESS_TOKEN
access_token_secret = apikeys.TWITTER_ACCESS_TOKEN_SECRET

# Tweepy API Authentication
auth = tweepy.OAuthHandler(consumer_key, consumer_secret)
auth.set_access_token(access_token, access_token_secret)
api = tweepy.API(auth, parser=tweepy.parsers.JSONParser())
```

```
In [2]:

# Target users:
users = ('@BBCWorld', '@CBS', '@CNN', '@FoxNews', '@nytimes')

users_sentiment = {}

for target_user in users:

    sentiment = []

    for page in range(5):

        # Get all tweets from home feed
        public_tweets = api.user_timeline(target_user, page=page)

        # Loop through all tweets
        for tweet in public_tweets:

            text = tweet['text']

            # Run Vader Analysis on each tweet
            scores = analyzer.polarity_scores(text)
            compound = scores['compound']
            pos = scores['pos']
            neu = scores['neu']
            neg = scores['neg']

            # Add sentiments for each tweet into `sentiments` list
            sentiment.append({"Date": tweet["created_at"],
                            "Compound": compound,
                            "Positive": pos,
                            "Negative": neu,
                            "Neutral": neg})

    users_sentiment.update({target_user: sentiment})

print(users_sentiment)

#       print('User: %s' % target_user, sentiment)
#       multiple_dicts = {target_user: sentiment}
#       print(multiple_dicts)
```

```
{'@BBCWorld': [{'Date': 'Sat Dec 09 15:47:09 +0000 2017', 'Compound'
: 0.3182, 'Positive': 0.223, 'Negative': 0.777, 'Neutral': 0.0}, {'D
ate': 'Sat Dec 09 13:00:06 +0000 2017', 'Compound': 0.0, 'Positive':
0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 12:29:33
+0000 2017', 'Compound': -0.4767, 'Positive': 0.0, 'Negative': 0.693
, 'Neutral': 0.307}, {'Date': 'Sat Dec 09 12:28:36 +0000 2017', 'Com
pound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Da
te': 'Sat Dec 09 12:00:19 +0000 2017', 'Compound': 0.0, 'Positive':
0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 11:41:33
+0000 2017', 'Compound': -0.5994, 'Positive': 0.0, 'Negative': 0.672
```

, 'Neutral': 0.328}, {'Date': 'Sat Dec 09 11:18:47 +0000 2017', 'Compound': -0.1027, 'Positive': 0.0, 'Negative': 0.931, 'Neutral': 0.069}, {'Date': 'Sat Dec 09 10:50:15 +0000 2017', 'Compound': -0.6369, 'Positive': 0.0, 'Negative': 0.682, 'Neutral': 0.318}, {'Date': 'Sat Dec 09 10:29:25 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 10:16:08 +0000 2017', 'Compound': -0.8387, 'Positive': 0.0, 'Negative': 0.438, 'Neutral': 0.562}, {'Date': 'Sat Dec 09 09:52:33 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 07:42:33 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 07:33:14 +0000 2017', 'Compound': 0.3182, 'Positive': 0.204, 'Negative': 0.796, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 07:33:12 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 07:33:12 +0000 2017', 'Compound': -0.4215, 'Positive': 0.0, 'Negative': 0.682, 'Neutral': 0.318}, {'Date': 'Sat Dec 09 05:39:35 +0000 2017', 'Compound': -0.6808, 'Positive': 0.0, 'Negative': 0.603, 'Neutral': 0.397}, {'Date': 'Sat Dec 09 04:02:56 +0000 2017', 'Compound': -0.6597, 'Positive': 0.0, 'Negative': 0.565, 'Neutral': 0.435}, {'Date': 'Sat Dec 09 02:41:49 +0000 2017', 'Compound': -0.7845, 'Positive': 0.0, 'Negative': 0.504, 'Neutral': 0.496}, {'Date': 'Sat Dec 09 01:31:27 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 01:00:25 +0000 2017', 'Compound': -0.5267, 'Positive': 0.082, 'Negative': 0.703, 'Neutral': 0.215}, {'Date': 'Sat Dec 09 15:47:09 +0000 2017', 'Compound': 0.3182, 'Positive': 0.223, 'Negative': 0.777, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 13:00:06 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 12:29:33 +0000 2017', 'Compound': -0.4767, 'Positive': 0.0, 'Negative': 0.693, 'Neutral': 0.307}, {'Date': 'Sat Dec 09 12:28:36 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 12:00:19 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 11:41:33 +0000 2017', 'Compound': -0.5994, 'Positive': 0.0, 'Negative': 0.672, 'Neutral': 0.328}, {'Date': 'Sat Dec 09 11:18:47 +0000 2017', 'Compound': -0.1027, 'Positive': 0.0, 'Negative': 0.931, 'Neutral': 0.069}, {'Date': 'Sat Dec 09 10:50:15 +0000 2017', 'Compound': -0.6369, 'Positive': 0.0, 'Negative': 0.682, 'Neutral': 0.318}, {'Date': 'Sat Dec 09 10:29:25 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 10:16:08 +0000 2017', 'Compound': -0.8387, 'Positive': 0.0, 'Negative': 0.438, 'Neutral': 0.562}, {'Date': 'Sat Dec 09 09:52:33 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 07:42:33 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 07:33:14 +0000 2017', 'Compound': 0.3182, 'Positive': 0.204, 'Negative': 0.796, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 07:33:12 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 07:33:12 +0000 2017', 'Compound': -0.4215, 'Positive': 0.0, 'Negative': 0.682, 'Neutral': 0.318}, {'Date': 'Sat Dec 09 05:39:35 +0000 2017', 'Compound': -0.6808, 'Positive': 0.0, 'Negative': 0.603, 'Neutral': 0.397}, {'Date': 'Sat Dec 09 04:02:56 +0000 2017', 'Compound': -0.6597, 'Positive': 0.0, 'Negative': 0.565, 'Neutral': 0.435}

, {'Date': 'Sat Dec 09 02:41:49 +0000 2017', 'Compound': -0.7845, 'Positive': 0.0, 'Negative': 0.504, 'Neutral': 0.496}, {'Date': 'Sat Dec 09 01:31:27 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 01:00:25 +0000 2017', 'Compound': -0.5267, 'Positive': 0.082, 'Negative': 0.703, 'Neutral': 0.215}, {'Date': 'Sat Dec 09 00:20:42 +0000 2017', 'Compound': 0.0772, 'Positive': 0.126, 'Negative': 0.874, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 00:17:41 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 00:11:11 +0000 2017', 'Compound': -0.4404, 'Positive': 0.0, 'Negative': 0.508, 'Neutral': 0.492}, {'Date': 'Sat Dec 09 00:11:11 +0000 2017', 'Compound': -0.5994, 'Positive': 0.0, 'Negative': 0.606, 'Neutral': 0.394}, {'Date': 'Fri Dec 08 23:28:22 +0000 2017', 'Compound': -0.4019, 'Positive': 0.0, 'Negative': 0.748, 'Neutral': 0.252}, {'Date': 'Fri Dec 08 23:13:25 +0000 2017', 'Compound': -0.4215, 'Positive': 0.0, 'Negative': 0.417, 'Neutral': 0.583}, {'Date': 'Fri Dec 08 21:10:27 +0000 2017', 'Compound': -0.4019, 'Positive': 0.0, 'Negative': 0.863, 'Neutral': 0.137}, {'Date': 'Fri Dec 08 20:03:09 +0000 2017', 'Compound': -0.7579, 'Positive': 0.0, 'Negative': 0.519, 'Neutral': 0.481}, {'Date': 'Fri Dec 08 19:07:03 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Fri Dec 08 18:59:44 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Fri Dec 08 18:50:37 +0000 2017', 'Compound': -0.5423, 'Positive': 0.0, 'Negative': 0.863, 'Neutral': 0.137}, {'Date': 'Fri Dec 08 17:06:13 +0000 2017', 'Compound': -0.25, 'Positive': 0.0, 'Negative': 0.714, 'Neutral': 0.286}, {'Date': 'Fri Dec 08 16:26:08 +0000 2017', 'Compound': -0.6486, 'Positive': 0.0, 'Negative': 0.798, 'Neutral': 0.202}, {'Date': 'Fri Dec 08 16:22:52 +0000 2017', 'Compound': -0.6808, 'Positive': 0.0, 'Negative': 0.588, 'Neutral': 0.412}, {'Date': 'Fri Dec 08 15:40:13 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Fri Dec 08 15:30:55 +0000 2017', 'Compound': -0.4215, 'Positive': 0.0, 'Negative': 0.859, 'Neutral': 0.141}, {'Date': 'Fri Dec 08 15:30:29 +0000 2017', 'Compound': -0.7184, 'Positive': 0.143, 'Negative': 0.44, 'Neutral': 0.418}, {'Date': 'Fri Dec 08 15:26:50 +0000 2017', 'Compound': 0.7244, 'Positive': 0.464, 'Negative': 0.536, 'Neutral': 0.0}, {'Date': 'Fri Dec 08 14:36:33 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Fri Dec 08 14:26:09 +0000 2017', 'Compound': -0.4019, 'Positive': 0.0, 'Negative': 0.769, 'Neutral': 0.231}, {'Date': 'Fri Dec 08 14:13:44 +0000 2017', 'Compound': -0.5719, 'Positive': 0.0, 'Negative': 0.619, 'Neutral': 0.381}, {'Date': 'Fri Dec 08 13:01:27 +0000 2017', 'Compound': 0.34, 'Positive': 0.28, 'Negative': 0.533, 'Neutral': 0.187}, {'Date': 'Fri Dec 08 12:58:30 +0000 2017', 'Compound': 0.4019, 'Positive': 0.278, 'Negative': 0.722, 'Neutral': 0.0}, {'Date': 'Fri Dec 08 12:35:53 +0000 2017', 'Compound': 0.5859, 'Positive': 0.147, 'Negative': 0.853, 'Neutral': 0.0}, {'Date': 'Fri Dec 08 12:22:36 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Fri Dec 08 12:22:36 +0000 2017', 'Compound': -0.5267, 'Positive': 0.0, 'Negative': 0.726, 'Neutral': 0.274}, {'Date': 'Fri Dec 08 11:52:21 +0000 2017', 'Compound': -0.7351, 'Positive': 0.0, 'Negative': 0.326, 'Neutral': 0.674}, {'Date': 'Fri Dec 08 11:18:52 +0000 2017', 'Compound': -0.8979, 'Positive': 0.0, 'Negative': 0.423,

'Neutral': 0.577}, {'Date': 'Fri Dec 08 11:15:45 +0000 2017', 'Compound': -0.7003, 'Positive': 0.0, 'Negative': 0.633, 'Neutral': 0.367}, {'Date': 'Fri Dec 08 10:36:02 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Fri Dec 08 10:25:33 +0000 2017', 'Compound': 0.124, 'Positive': 0.158, 'Negative': 0.738, 'Neutral': 0.103}, {'Date': 'Fri Dec 08 10:18:36 +0000 2017', 'Compound': -0.4588, 'Positive': 0.0, 'Negative': 0.727, 'Neutral': 0.273}, {'Date': 'Fri Dec 08 10:15:42 +0000 2017', 'Compound': -0.2263, 'Positive': 0.0, 'Negative': 0.808, 'Neutral': 0.192}, {'Date': 'Fri Dec 08 10:06:16 +0000 2017', 'Compound': -0.7717, 'Positive': 0.0, 'Negative': 0.599, 'Neutral': 0.401}, {'Date': 'Fri Dec 08 09:42:19 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Fri Dec 08 09:42:19 +0000 2017', 'Compound': -0.8225, 'Positive': 0.0, 'Negative': 0.441, 'Neutral': 0.559}, {'Date': 'Fri Dec 08 09:39:09 +0000 2017', 'Compound': -0.7906, 'Positive': 0.107, 'Negative': 0.357, 'Neutral': 0.536}, {'Date': 'Fri Dec 08 09:29:53 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Fri Dec 08 08:50:45 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Fri Dec 08 08:47:55 +0000 2017', 'Compound': -0.743, 'Positive': 0.0, 'Negative': 0.559, 'Neutral': 0.441}, {'Date': 'Fri Dec 08 08:44:59 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Fri Dec 08 08:44:49 +0000 2017', 'Compound': 0.128, 'Positive': 0.086, 'Negative': 0.914, 'Neutral': 0.0}, {'Date': 'Fri Dec 08 08:34:04 +0000 2017', 'Compound': 0.0772, 'Positive': 0.051, 'Negative': 0.949, 'Neutral': 0.0}, {'Date': 'Fri Dec 08 08:15:57 +0000 2017', 'Compound': 0.128, 'Positive': 0.136, 'Negative': 0.754, 'Neutral': 0.111}, {'Date': 'Fri Dec 08 08:14:10 +0000 2017', 'Compound': -0.8555, 'Positive': 0.0, 'Negative': 0.46, 'Neutral': 0.54}, {'Date': 'Fri Dec 08 08:00:46 +0000 2017', 'Compound': -0.0516, 'Positive': 0.0, 'Negative': 0.946, 'Neutral': 0.054}, {'Date': 'Fri Dec 08 07:36:25 +0000 2017', 'Compound': 0.1513, 'Positive': 0.129, 'Negative': 0.726, 'Neutral': 0.145}, {'Date': 'Fri Dec 08 06:31:07 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Fri Dec 08 06:29:58 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Fri Dec 08 05:29:37 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Fri Dec 08 05:29:37 +0000 2017', 'Compound': 0.0258, 'Positive': 0.228, 'Negative': 0.552, 'Neutral': 0.221}, {'Date': 'Fri Dec 08 05:16:41 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Fri Dec 08 04:49:06 +0000 2017', 'Compound': -0.6486, 'Positive': 0.0, 'Negative': 0.677, 'Neutral': 0.323}, {'Date': 'Fri Dec 08 03:45:19 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Fri Dec 08 02:23:30 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Fri Dec 08 01:59:41 +0000 2017', 'Compound': -0.2023, 'Positive': 0.085, 'Negative': 0.775, 'Neutral': 0.141}, {'Date': 'Fri Dec 08 01:53:12 +0000 2017', 'Compound': -0.2732, 'Positive': 0.078, 'Negative': 0.778, 'Neutral': 0.144}, {'Date': 'Fri Dec 08 01:19:24 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Fri Dec 08 01:12:39 +0000 2017', 'Compound': -0.1027, 'Positive': 0.0, 'Negative': 0.865, 'Neutral': 0.135}

, {'Date': 'Fri Dec 08 00:42:24 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}], '@CBS': [{'Date': 'Sat Dec 09 01:11:51 +0000 2017', 'Compound': 0.6476, 'Positive': 0.209, 'Negative': 0.791, 'Neutral': 0.0}, {'Date': 'Fri Dec 08 23:35:41 +0000 2017', 'Compound': 0.8126, 'Positive': 0.303, 'Negative': 0.697, 'Neutral': 0.0}, {'Date': 'Thu Dec 07 18:23:03 +0000 2017', 'Compound': 0.7777, 'Positive': 0.254, 'Negative': 0.746, 'Neutral': 0.0}, {'Date': 'Thu Dec 07 12:07:06 +0000 2017', 'Compound': 0.5423, 'Positive': 0.137, 'Negative': 0.863, 'Neutral': 0.0}, {'Date': 'Wed Dec 06 17:32:28 +0000 2017', 'Compound': 0.3182, 'Positive': 0.126, 'Negative': 0.874, 'Neutral': 0.0}, {'Date': 'Tue Dec 05 19:21:31 +0000 2017', 'Compound': 0.1511, 'Positive': 0.09, 'Negative': 0.91, 'Neutral': 0.0}, {'Date': 'Tue Dec 05 19:14:00 +0000 2017', 'Compound': 0.4199, 'Positive': 0.117, 'Negative': 0.883, 'Neutral': 0.0}, {'Date': 'Tue Dec 05 00:54:16 +0000 2017', 'Compound': 0.5106, 'Positive': 0.163, 'Negative': 0.837, 'Neutral': 0.0}, {'Date': 'Tue Dec 05 00:03:06 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Mon Dec 04 20:52:31 +0000 2017', 'Compound': 0.3612, 'Positive': 0.106, 'Negative': 0.894, 'Neutral': 0.0}, {'Date': 'Mon Dec 04 19:22:07 +0000 2017', 'Compound': 0.9217, 'Positive': 0.504, 'Negative': 0.496, 'Neutral': 0.0}, {'Date': 'Mon Dec 04 07:14:06 +0000 2017', 'Compound': 0.5213, 'Positive': 0.187, 'Negative': 0.813, 'Neutral': 0.0}, {'Date': 'Mon Dec 04 03:02:00 +0000 2017', 'Compound': -0.5655, 'Positive': 0.0, 'Negative': 0.823, 'Neutral': 0.177}, {'Date': 'Mon Dec 04 03:01:09 +0000 2017', 'Compound': 0.9466, 'Positive': 0.672, 'Negative': 0.328, 'Neutral': 0.0}, {'Date': 'Mon Dec 04 02:51:35 +0000 2017', 'Compound': 0.5994, 'Positive': 0.281, 'Negative': 0.719, 'Neutral': 0.0}, {'Date': 'Mon Dec 04 02:49:27 +0000 2017', 'Compound': 0.7906, 'Positive': 0.269, 'Negative': 0.731, 'Neutral': 0.0}, {'Date': 'Mon Dec 04 02:47:39 +0000 2017', 'Compound': 0.8689, 'Positive': 0.329, 'Negative': 0.671, 'Neutral': 0.0}, {'Date': 'Mon Dec 04 02:43:14 +0000 2017', 'Compound': 0.8016, 'Positive': 0.264, 'Negative': 0.736, 'Neutral': 0.0}, {'Date': 'Mon Dec 04 02:26:30 +0000 2017', 'Compound': 0.5719, 'Positive': 0.156, 'Negative': 0.844, 'Neutral': 0.0}, {'Date': 'Mon Dec 04 02:22:42 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 01:11:51 +0000 2017', 'Compound': 0.6476, 'Positive': 0.209, 'Negative': 0.791, 'Neutral': 0.0}, {'Date': 'Fri Dec 08 23:35:41 +0000 2017', 'Compound': 0.8126, 'Positive': 0.303, 'Negative': 0.697, 'Neutral': 0.0}, {'Date': 'Thu Dec 07 18:23:03 +0000 2017', 'Compound': 0.7777, 'Positive': 0.254, 'Negative': 0.746, 'Neutral': 0.0}, {'Date': 'Thu Dec 07 12:07:06 +0000 2017', 'Compound': 0.5423, 'Positive': 0.137, 'Negative': 0.863, 'Neutral': 0.0}, {'Date': 'Wed Dec 06 17:32:28 +0000 2017', 'Compound': 0.3182, 'Positive': 0.126, 'Negative': 0.874, 'Neutral': 0.0}, {'Date': 'Tue Dec 05 19:21:31 +0000 2017', 'Compound': 0.1511, 'Positive': 0.09, 'Negative': 0.91, 'Neutral': 0.0}, {'Date': 'Tue Dec 05 19:14:00 +0000 2017', 'Compound': 0.4199, 'Positive': 0.117, 'Negative': 0.883, 'Neutral': 0.0}, {'Date': 'Tue Dec 05 00:54:16 +0000 2017', 'Compound': 0.5106, 'Positive': 0.163, 'Negative': 0.837, 'Neutral': 0.0}, {'Date': 'Tue Dec 05 00:03:06 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Mon Dec 04 20:52:31 +0000 2017', 'Compound': 0.3612, 'Positive': 0.106, 'Negati

ve': 0.894, 'Neutral': 0.0}, {'Date': 'Mon Dec 04 19:22:07 +0000 2017', 'Compound': 0.9217, 'Positive': 0.504, 'Negative': 0.496, 'Neutral': 0.0}, {'Date': 'Mon Dec 04 07:14:06 +0000 2017', 'Compound': 0.5213, 'Positive': 0.187, 'Negative': 0.813, 'Neutral': 0.0}, {'Date': 'Mon Dec 04 03:02:00 +0000 2017', 'Compound': -0.5655, 'Positive': 0.0, 'Negative': 0.823, 'Neutral': 0.177}, {'Date': 'Mon Dec 04 03:01:09 +0000 2017', 'Compound': 0.9466, 'Positive': 0.672, 'Negative': 0.328, 'Neutral': 0.0}, {'Date': 'Mon Dec 04 02:51:35 +0000 2017', 'Compound': 0.5994, 'Positive': 0.281, 'Negative': 0.719, 'Neutral': 0.0}, {'Date': 'Mon Dec 04 02:49:27 +0000 2017', 'Compound': 0.7906, 'Positive': 0.269, 'Negative': 0.731, 'Neutral': 0.0}, {'Date': 'Mon Dec 04 02:47:39 +0000 2017', 'Compound': 0.8689, 'Positive': 0.329, 'Negative': 0.671, 'Neutral': 0.0}, {'Date': 'Mon Dec 04 02:43:14 +0000 2017', 'Compound': 0.8016, 'Positive': 0.264, 'Negative': 0.736, 'Neutral': 0.0}, {'Date': 'Mon Dec 04 02:26:30 +0000 2017', 'Compound': 0.5719, 'Positive': 0.156, 'Negative': 0.844, 'Neutral': 0.0}, {'Date': 'Mon Dec 04 02:22:42 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Mon Dec 04 02:12:59 +0000 2017', 'Compound': 0.25, 'Positive': 0.133, 'Negative': 0.867, 'Neutral': 0.0}, {'Date': 'Mon Dec 04 01:56:26 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Mon Dec 04 01:55:44 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Mon Dec 04 01:43:24 +0000 2017', 'Compound': 0.8591, 'Positive': 0.487, 'Negative': 0.513, 'Neutral': 0.0}, {'Date': 'Mon Dec 04 01:33:37 +0000 2017', 'Compound': -0.2263, 'Positive': 0.0, 'Negative': 0.924, 'Neutral': 0.076}, {'Date': 'Mon Dec 04 01:24:51 +0000 2017', 'Compound': 0.5574, 'Positive': 0.194, 'Negative': 0.806, 'Neutral': 0.0}, {'Date': 'Mon Dec 04 01:13:30 +0000 2017', 'Compound': 0.3612, 'Positive': 0.238, 'Negative': 0.762, 'Neutral': 0.0}, {'Date': 'Mon Dec 04 01:11:57 +0000 2017', 'Compound': 0.4588, 'Positive': 0.136, 'Negative': 0.864, 'Neutral': 0.0}, {'Date': 'Mon Dec 04 01:05:31 +0000 2017', 'Compound': 0.807, 'Positive': 0.356, 'Negative': 0.644, 'Neutral': 0.0}, {'Date': 'Mon Dec 04 01:00:09 +0000 2017', 'Compound': 0.4574, 'Positive': 0.13, 'Negative': 0.87, 'Neutral': 0.0}, {'Date': 'Mon Dec 04 00:25:16 +0000 2017', 'Compound': -0.2263, 'Positive': 0.0, 'Negative': 0.905, 'Neutral': 0.095}, {'Date': 'Sun Dec 03 20:00:02 +0000 2017', 'Compound': 0.8271, 'Positive': 0.352, 'Negative': 0.648, 'Neutral': 0.0}, {'Date': 'Sun Dec 03 18:44:14 +0000 2017', 'Compound': 0.7783, 'Positive': 0.286, 'Negative': 0.714, 'Neutral': 0.0}, {'Date': 'Sun Dec 03 17:32:01 +0000 2017', 'Compound': 0.8658, 'Positive': 0.386, 'Negative': 0.614, 'Neutral': 0.0}, {'Date': 'Sun Dec 03 13:00:04 +0000 2017', 'Compound': 0.8516, 'Positive': 0.353, 'Negative': 0.647, 'Neutral': 0.0}, {'Date': 'Sun Dec 03 12:00:01 +0000 2017', 'Compound': 0.7897, 'Positive': 0.28, 'Negative': 0.72, 'Neutral': 0.0}, {'Date': 'Sat Dec 02 15:55:39 +0000 2017', 'Compound': 0.6166, 'Positive': 0.175, 'Negative': 0.825, 'Neutral': 0.0}, {'Date': 'Sat Dec 02 14:30:03 +0000 2017', 'Compound': 0.1867, 'Positive': 0.098, 'Negative': 0.902, 'Neutral': 0.0}, {'Date': 'Sat Dec 02 13:00:07 +0000 2017', 'Compound': 0.6996, 'Positive': 0.179, 'Negative': 0.821, 'Neutral': 0.0}, {'Date': 'Sat Dec 02 12:00:03 +0000 2017', 'Compound': -0.3595, 'Positive': 0.0, 'Negative': 0.872, 'Neutral': 0.128}, {'Date': 'Fri Dec 01 22:43:05 +0000 2017', 'Compound': 0.3612, 'Posi

tive': 0.116, 'Negative': 0.884, 'Neutral': 0.0}, {'Date': 'Fri Dec 01 22:15:28 +0000 2017', 'Compound': 0.4199, 'Positive': 0.134, 'Negative': 0.866, 'Neutral': 0.0}, {'Date': 'Fri Dec 01 21:00:12 +0000 2017', 'Compound': 0.7707, 'Positive': 0.282, 'Negative': 0.718, 'Neutral': 0.0}, {'Date': 'Fri Dec 01 20:17:18 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Fri Dec 01 19:32:18 +0000 2017', 'Compound': 0.8221, 'Positive': 0.309, 'Negative': 0.691, 'Neutral': 0.0}, {'Date': 'Fri Dec 01 18:40:34 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Fri Dec 01 18:16:37 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Fri Dec 01 18:10:11 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Fri Dec 01 14:00:04 +0000 2017', 'Compound': 0.6893, 'Positive': 0.251, 'Negative': 0.749, 'Neutral': 0.0}, {'Date': 'Fri Dec 01 12:00:03 +0000 2017', 'Compound': 0.1901, 'Positive': 0.093, 'Negative': 0.907, 'Neutral': 0.0}, {'Date': 'Fri Dec 01 01:31:30 +0000 2017', 'Compound': 0.296, 'Positive': 0.128, 'Negative': 0.872, 'Neutral': 0.0}, {'Date': 'Thu Nov 30 21:10:19 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Thu Nov 30 20:54:39 +0000 2017', 'Compound': 0.6115, 'Positive': 0.227, 'Negative': 0.773, 'Neutral': 0.0}, {'Date': 'Thu Nov 30 17:40:02 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Thu Nov 30 17:30:05 +0000 2017', 'Compound': 0.6808, 'Positive': 0.248, 'Negative': 0.752, 'Neutral': 0.0}, {'Date': 'Thu Nov 30 15:00:05 +0000 2017', 'Compound': 0.3612, 'Positive': 0.135, 'Negative': 0.865, 'Neutral': 0.0}, {'Date': 'Thu Nov 30 12:00:03 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Thu Nov 30 07:52:09 +0000 2017', 'Compound': -0.3595, 'Positive': 0.0, 'Negative': 0.872, 'Neutral': 0.128}, {'Date': 'Thu Nov 30 04:09:55 +0000 2017', 'Compound': 0.6239, 'Positive': 0.45, 'Negative': 0.55, 'Neutral': 0.0}, {'Date': 'Thu Nov 30 04:00:27 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Thu Nov 30 03:59:09 +0000 2017', 'Compound': 0.5542, 'Positive': 0.204, 'Negative': 0.796, 'Neutral': 0.0}, {'Date': 'Thu Nov 30 03:55:37 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Thu Nov 30 03:51:38 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Thu Nov 30 03:44:54 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Thu Nov 30 03:37:13 +0000 2017', 'Compound': 0.7482, 'Positive': 0.434, 'Negative': 0.566, 'Neutral': 0.0}, {'Date': 'Thu Nov 30 03:35:13 +0000 2017', 'Compound': 0.8513, 'Positive': 0.542, 'Negative': 0.458, 'Neutral': 0.0}, {'Date': 'Thu Nov 30 03:33:32 +0000 2017', 'Compound': 0.7232, 'Positive': 0.302, 'Negative': 0.698, 'Neutral': 0.0}, {'Date': 'Thu Nov 30 03:23:03 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Thu Nov 30 03:11:31 +0000 2017', 'Compound': 0.8979, 'Positive': 0.394, 'Negative': 0.557, 'Neutral': 0.049}, {'Date': 'Thu Nov 30 03:09:54 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Thu Nov 30 03:07:20 +0000 2017', 'Compound': 0.6988, 'Positive': 0.452, 'Negative': 0.548, 'Neutral': 0.0}, {'Date': 'Thu Nov 30 03:06:38 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {

'Date': 'Thu Nov 30 03:03:15 +0000 2017', 'Compound': 0.7067, 'Positive': 0.246, 'Negative': 0.754, 'Neutral': 0.0}, {'Date': 'Thu Nov 30 03:02:34 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Thu Nov 30 02:59:59 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Thu Nov 30 02:45:03 +0000 2017', 'Compound': 0.6514, 'Positive': 0.158, 'Negative': 0.842, 'Neutral': 0.0}, {'Date': 'Thu Nov 30 00:06:05 +0000 2017', 'Compound': 0.1139, 'Positive': 0.064, 'Negative': 0.936, 'Neutral': 0.0}, {'Date': 'Wed Nov 29 23:20:13 +0000 2017', 'Compound': 0.6825, 'Positive': 0.228, 'Negative': 0.772, 'Neutral': 0.0}, {'Date': 'Wed Nov 29 23:15:24 +0000 2017', 'Compound': 0.5826, 'Positive': 0.152, 'Negative': 0.848, 'Neutral': 0.0}, {'Date': 'Wed Nov 29 23:14:57 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}], '@CNN': [{'Date': 'Sat Dec 09 15:45:07 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 15:33:25 +0000 2017', 'Compound': 0.2263, 'Positive': 0.101, 'Negative': 0.899, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 15:15:44 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 15:02:01 +0000 2017', 'Compound': -0.85, 'Positive': 0.088, 'Negative': 0.565, 'Neutral': 0.347}, {'Date': 'Sat Dec 09 14:46:23 +0000 2017', 'Compound': -0.4767, 'Positive': 0.0, 'Negative': 0.728, 'Neutral': 0.272}, {'Date': 'Sat Dec 09 14:30:21 +0000 2017', 'Compound': -0.4939, 'Positive': 0.08, 'Negative': 0.764, 'Neutral': 0.156}, {'Date': 'Sat Dec 09 14:23:41 +0000 2017', 'Compound': -0.5994, 'Positive': 0.0, 'Negative': 0.822, 'Neutral': 0.178}, {'Date': 'Sat Dec 09 14:16:12 +0000 2017', 'Compound': 0.807, 'Positive': 0.399, 'Negative': 0.601, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 14:00:25 +0000 2017', 'Compound': -0.7579, 'Positive': 0.0, 'Negative': 0.581, 'Neutral': 0.419}, {'Date': 'Sat Dec 09 13:46:04 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 13:30:12 +0000 2017', 'Compound': -0.4939, 'Positive': 0.0, 'Negative': 0.862, 'Neutral': 0.138}, {'Date': 'Sat Dec 09 13:16:04 +0000 2017', 'Compound': 0.34, 'Positive': 0.138, 'Negative': 0.862, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 12:46:05 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 12:30:19 +0000 2017', 'Compound': 0.296, 'Positive': 0.167, 'Negative': 0.833, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 12:16:33 +0000 2017', 'Compound': -0.6597, 'Positive': 0.0, 'Negative': 0.812, 'Neutral': 0.188}, {'Date': 'Sat Dec 09 12:01:43 +0000 2017', 'Compound': -0.34, 'Positive': 0.0, 'Negative': 0.876, 'Neutral': 0.124}, {'Date': 'Sat Dec 09 11:31:07 +0000 2017', 'Compound': 0.4939, 'Positive': 0.186, 'Negative': 0.814, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 11:16:47 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 11:00:25 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 10:46:07 +0000 2017', 'Compound': 0.1779, 'Positive': 0.116, 'Negative': 0.884, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 15:45:07 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 15:33:25 +0000 2017', 'Compound': 0.2263, 'Positive': 0.101, 'Negative': 0.899, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 15:15:44 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Sat

Dec 09 15:02:01 +0000 2017', 'Compound': -0.85, 'Positive': 0.088, 'Negative': 0.565, 'Neutral': 0.347}, {'Date': 'Sat Dec 09 14:46:23 +0000 2017', 'Compound': -0.4767, 'Positive': 0.0, 'Negative': 0.728, 'Neutral': 0.272}, {'Date': 'Sat Dec 09 14:30:21 +0000 2017', 'Compound': -0.4939, 'Positive': 0.08, 'Negative': 0.764, 'Neutral': 0.156}, {'Date': 'Sat Dec 09 14:23:41 +0000 2017', 'Compound': -0.5994, 'Positive': 0.0, 'Negative': 0.822, 'Neutral': 0.178}, {'Date': 'Sat Dec 09 14:16:12 +0000 2017', 'Compound': 0.807, 'Positive': 0.399, 'Negative': 0.601, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 14:00:25 +0000 2017', 'Compound': -0.7579, 'Positive': 0.0, 'Negative': 0.581, 'Neutral': 0.419}, {'Date': 'Sat Dec 09 13:46:04 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 13:30:12 +0000 2017', 'Compound': -0.4939, 'Positive': 0.0, 'Negative': 0.862, 'Neutral': 0.138}, {'Date': 'Sat Dec 09 13:16:04 +0000 2017', 'Compound': 0.34, 'Positive': 0.138, 'Negative': 0.862, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 12:46:05 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 12:30:19 +0000 2017', 'Compound': 0.296, 'Positive': 0.167, 'Negative': 0.833, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 12:16:33 +0000 2017', 'Compound': -0.6597, 'Positive': 0.0, 'Negative': 0.812, 'Neutral': 0.188}, {'Date': 'Sat Dec 09 12:01:43 +0000 2017', 'Compound': -0.34, 'Positive': 0.0, 'Negative': 0.876, 'Neutral': 0.124}, {'Date': 'Sat Dec 09 11:31:07 +0000 2017', 'Compound': 0.4939, 'Positive': 0.186, 'Negative': 0.814, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 11:16:47 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 11:00:25 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 10:46:07 +0000 2017', 'Compound': 0.1779, 'Positive': 0.116, 'Negative': 0.884, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 10:30:11 +0000 2017', 'Compound': 0.0516, 'Positive': 0.062, 'Negative': 0.938, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 10:16:02 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 10:00:23 +0000 2017', 'Compound': 0.4939, 'Positive': 0.151, 'Negative': 0.849, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 09:46:04 +0000 2017', 'Compound': -0.296, 'Positive': 0.0, 'Negative': 0.885, 'Neutral': 0.115}, {'Date': 'Sat Dec 09 09:30:12 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 09:16:11 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 09:00:08 +0000 2017', 'Compound': 0.34, 'Positive': 0.112, 'Negative': 0.888, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 08:46:06 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 08:30:10 +0000 2017', 'Compound': 0.4019, 'Positive': 0.114, 'Negative': 0.886, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 08:16:02 +0000 2017', 'Compound': 0.3818, 'Positive': 0.167, 'Negative': 0.833, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 08:00:20 +0000 2017', 'Compound': -0.6124, 'Positive': 0.0, 'Negative': 0.773, 'Neutral': 0.227}, {'Date': 'Sat Dec 09 07:46:03 +0000 2017', 'Compound': -0.4215, 'Positive': 0.0, 'Negative': 0.872, 'Neutral': 0.128}, {'Date': 'Sat Dec 09 07:30:12 +0000 2017', 'Compound': 0.2023, 'Positive': 0.114, 'Negative': 0.886, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 07:20:47 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 07:0

0:08 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 06:46:03 +0000 2017', 'Compound': 0.6369, 'Positive': 0.245, 'Negative': 0.755, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 06:30:17 +0000 2017', 'Compound': 0.7506, 'Positive': 0.331, 'Negative': 0.51, 'Neutral': 0.159}, {'Date': 'Sat Dec 09 06:16:03 +0000 2017', 'Compound': 0.128, 'Positive': 0.158, 'Negative': 0.705, 'Neutral': 0.137}, {'Date': 'Sat Dec 09 06:00:30 +0000 2017', 'Compound': 0.3612, 'Positive': 0.172, 'Negative': 0.828, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 05:46:05 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 05:35:04 +0000 2017', 'Compound': 0.2263, 'Positive': 0.106, 'Negative': 0.894, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 05:30:11 +0000 2017', 'Compound': 0.4019, 'Positive': 0.137, 'Negative': 0.863, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 05:28:03 +0000 2017', 'Compound': 0.5719, 'Positive': 0.299, 'Negative': 0.606, 'Neutral': 0.095}, {'Date': 'Sat Dec 09 05:16:07 +0000 2017', 'Compound': -0.5994, 'Positive': 0.0, 'Negative': 0.803, 'Neutral': 0.197}, {'Date': 'Sat Dec 09 05:08:15 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 05:01:49 +0000 2017', 'Compound': 0.7269, 'Positive': 0.337, 'Negative': 0.663, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 04:55:46 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 04:50:41 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 04:40:16 +0000 2017', 'Compound': 0.1027, 'Positive': 0.159, 'Negative': 0.706, 'Neutral': 0.135}, {'Date': 'Sat Dec 09 04:24:26 +0000 2017', 'Compound': 0.1779, 'Positive': 0.116, 'Negative': 0.884, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 04:19:03 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 04:03:23 +0000 2017', 'Compound': -0.0516, 'Positive': 0.12, 'Negative': 0.75, 'Neutral': 0.13}, {'Date': 'Sat Dec 09 03:47:05 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 03:34:47 +0000 2017', 'Compound': 0.0258, 'Positive': 0.102, 'Negative': 0.8, 'Neutral': 0.098}, {'Date': 'Sat Dec 09 03:28:28 +0000 2017', 'Compound': 0.4019, 'Positive': 0.119, 'Negative': 0.881, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 03:21:31 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 03:20:33 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 03:03:31 +0000 2017', 'Compound': 0.4019, 'Positive': 0.153, 'Negative': 0.847, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 03:01:01 +0000 2017', 'Compound': -0.3612, 'Positive': 0.0, 'Negative': 0.878, 'Neutral': 0.122}, {'Date': 'Sat Dec 09 02:58:35 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 02:41:05 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 02:30:46 +0000 2017', 'Compound': 0.4019, 'Positive': 0.172, 'Negative': 0.828, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 02:27:40 +0000 2017', 'Compound': -0.4588, 'Positive': 0.0, 'Negative': 0.864, 'Neutral': 0.136}, {'Date': 'Sat Dec 09 02:24:58 +0000 2017', 'Compound': -0.3182, 'Positive': 0.0, 'Negative': 0.881, 'Neutral': 0.119}, {'Date': 'Sat Dec 09 02:19:44 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 02:14:13 +0000 2017', 'Compoun

d': -0.6113, 'Positive': 0.0, 'Negative': 0.75, 'Neutral': 0.25}, {'Date': 'Sat Dec 09 02:02:17 +0000 2017', 'Compound': -0.5423, 'Positive': 0.0, 'Negative': 0.78, 'Neutral': 0.22}, {'Date': 'Sat Dec 09 01:52:06 +0000 2017', 'Compound': 0.5267, 'Positive': 0.268, 'Negative': 0.732, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 01:47:35 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 01:44:50 +0000 2017', 'Compound': 0.7506, 'Positive': 0.234, 'Negative': 0.766, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 01:40:33 +0000 2017', 'Compound': 0.4939, 'Positive': 0.158, 'Negative': 0.842, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 01:37:47 +0000 2017', 'Compound': 0.4939, 'Positive': 0.198, 'Negative': 0.802, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 01:35:04 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 01:34:13 +0000 2017', 'Compound': 0.4019, 'Positive': 0.13, 'Negative': 0.87, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 01:18:44 +0000 2017', 'Compound': 0.3612, 'Positive': 0.135, 'Negative': 0.865, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 01:14:06 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 01:08:42 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 01:03:06 +0000 2017', 'Compound': 0.4404, 'Positive': 0.146, 'Negative': 0.854, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 00:59:05 +0000 2017', 'Compound': 0.4588, 'Positive': 0.176, 'Negative': 0.824, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 00:52:29 +0000 2017', 'Compound': 0.3378, 'Positive': 0.107, 'Negative': 0.893, 'Neutral': 0.0}], '@FoxNews': [{'Date': 'Sat Dec 09 15:52:03 +0000 2017', 'Compound': 0.3182, 'Positive': 0.224, 'Negative': 0.594, 'Neutral': 0.182}, {'Date': 'Sat Dec 09 15:51:06 +0000 2017', 'Compound': 0.4019, 'Positive': 0.137, 'Negative': 0.863, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 15:47:06 +0000 2017', 'Compound': -0.3818, 'Positive': 0.0, 'Negative': 0.794, 'Neutral': 0.206}, {'Date': 'Sat Dec 09 15:46:05 +0000 2017', 'Compound': 0.5994, 'Positive': 0.224, 'Negative': 0.776, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 15:38:09 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 15:34:53 +0000 2017', 'Compound': -0.4019, 'Positive': 0.0, 'Negative': 0.856, 'Neutral': 0.144}, {'Date': 'Sat Dec 09 15:27:54 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 15:21:47 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 15:13:17 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 15:07:30 +0000 2017', 'Compound': -0.4023, 'Positive': 0.0, 'Negative': 0.881, 'Neutral': 0.119}, {'Date': 'Sat Dec 09 14:56:57 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 14:46:16 +0000 2017', 'Compound': -0.296, 'Positive': 0.0, 'Negative': 0.901, 'Neutral': 0.099}, {'Date': 'Sat Dec 09 14:44:45 +0000 2017', 'Compound': 0.5267, 'Positive': 0.195, 'Negative': 0.805, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 14:43:58 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 14:41:39 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 14:39:37 +0000 2017', 'Compound': 0.7506, 'Positive': 0.416, 'Negative': 0.584, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 14:36:37 +0000 2017', 'Compound': 0.0, 'Positive'

': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 14:35
:56 +0000 2017', 'Compound': 0.0772, 'Positive': 0.106, 'Negative':
0.894, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 14:33:04 +0000 2017', '
Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {
'Date': 'Sat Dec 09 14:31:21 +0000 2017', 'Compound': 0.0, 'Positive
': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 15:52
:03 +0000 2017', 'Compound': 0.3182, 'Positive': 0.224, 'Negative':
0.594, 'Neutral': 0.182}, {'Date': 'Sat Dec 09 15:51:06 +0000 2017',
'Compound': 0.4019, 'Positive': 0.137, 'Negative': 0.863, 'Neutral':
0.0}, {'Date': 'Sat Dec 09 15:47:06 +0000 2017', 'Compound': -0.3818
, 'Positive': 0.0, 'Negative': 0.794, 'Neutral': 0.206}, {'Date': 'S
at Dec 09 15:46:05 +0000 2017', 'Compound': 0.5994, 'Positive': 0.22
4, 'Negative': 0.776, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 15:38:09
+0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neu
tral': 0.0}, {'Date': 'Sat Dec 09 15:34:53 +0000 2017', 'Compound':
-0.4019, 'Positive': 0.0, 'Negative': 0.856, 'Neutral': 0.144}, {'Da
te': 'Sat Dec 09 15:27:54 +0000 2017', 'Compound': 0.0, 'Positive':
0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 15:21:47
+0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neu
tral': 0.0}, {'Date': 'Sat Dec 09 15:13:17 +0000 2017', 'Compound':
0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Sa
t Dec 09 15:07:30 +0000 2017', 'Compound': -0.4023, 'Positive': 0.0,
'Negative': 0.881, 'Neutral': 0.119}, {'Date': 'Sat Dec 09 14:56:57
+0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neu
tral': 0.0}, {'Date': 'Sat Dec 09 14:46:16 +0000 2017', 'Compound':
-0.296, 'Positive': 0.0, 'Negative': 0.901, 'Neutral': 0.099}, {'Dat
e': 'Sat Dec 09 14:44:45 +0000 2017', 'Compound': 0.5267, 'Positive'
: 0.195, 'Negative': 0.805, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 14
:43:58 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.
0, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 14:41:39 +0000 2017', 'Comp
ound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Dat
e': 'Sat Dec 09 14:39:37 +0000 2017', 'Compound': 0.7506, 'Positive'
: 0.416, 'Negative': 0.584, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 14
:36:37 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.
0, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 14:35:56 +0000 2017', 'Comp
ound': 0.0772, 'Positive': 0.106, 'Negative': 0.894, 'Neutral': 0.0}
, {'Date': 'Sat Dec 09 14:33:04 +0000 2017', 'Compound': 0.0, 'Posit
ive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 14
:31:21 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.
0, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 14:30:02 +0000 2017', 'Comp
ound': -0.4201, 'Positive': 0.0, 'Negative': 0.883, 'Neutral': 0.117
}, {'Date': 'Sat Dec 09 14:17:38 +0000 2017', 'Compound': -0.3089, '
Positive': 0.0, 'Negative': 0.894, 'Neutral': 0.106}, {'Date': 'Sat
Dec 09 14:16:27 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Nega
tive': 1.0, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 14:10:29 +0000 201
7', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.
0}, {'Date': 'Sat Dec 09 13:51:50 +0000 2017', 'Compound': 0.0, 'Pos
itive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Sat Dec 09
13:32:02 +0000 2017', 'Compound': -0.4023, 'Positive': 0.0, 'Negativ
e': 0.875, 'Neutral': 0.125}, {'Date': 'Sat Dec 09 13:31:19 +0000 20
17', 'Compound': -0.5994, 'Positive': 0.0, 'Negative': 0.642, 'Neutr
al': 0.358}, {'Date': 'Sat Dec 09 13:21:32 +0000 2017', 'Compound':
0.3818, 'Positive': 0.191, 'Negative': 0.809, 'Neutral': 0.0}, {'Dat

e': 'Sat Dec 09 12:51:18 +0000 2017', 'Compound': -0.3182, 'Positive': 0.069, 'Negative': 0.772, 'Neutral': 0.158}, {'Date': 'Sat Dec 09 12:41:34 +0000 2017', 'Compound': -0.3582, 'Positive': 0.113, 'Negative': 0.67, 'Neutral': 0.217}, {'Date': 'Sat Dec 09 12:32:47 +0000 2017', 'Compound': 0.6808, 'Positive': 0.248, 'Negative': 0.752, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 12:25:10 +0000 2017', 'Compound': 0.1531, 'Positive': 0.144, 'Negative': 0.745, 'Neutral': 0.112}, {'Date': 'Sat Dec 09 12:12:47 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 12:07:21 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 11:40:16 +0000 2017', 'Compound': -0.6249, 'Positive': 0.0, 'Negative': 0.83, 'Neutral': 0.17}, {'Date': 'Sat Dec 09 11:37:45 +0000 2017', 'Compound': -0.0516, 'Positive': 0.103, 'Negative': 0.784, 'Neutral': 0.113}, {'Date': 'Sat Dec 09 11:31:22 +0000 2017', 'Compound': -0.3089, 'Positive': 0.0, 'Negative': 0.894, 'Neutral': 0.106}, {'Date': 'Sat Dec 09 11:27:22 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 11:22:31 +0000 2017', 'Compound': 0.5423, 'Positive': 0.163, 'Negative': 0.837, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 11:00:03 +0000 2017', 'Compound': 0.1779, 'Positive': 0.16, 'Negative': 0.718, 'Neutral': 0.122}, {'Date': 'Sat Dec 09 10:30:00 +0000 2017', 'Compound': -0.25, 'Positive': 0.179, 'Negative': 0.577, 'Neutral': 0.244}, {'Date': 'Sat Dec 09 10:00:06 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 09:45:03 +0000 2017', 'Compound': -0.4404, 'Positive': 0.0, 'Negative': 0.633, 'Neutral': 0.367}, {'Date': 'Sat Dec 09 09:17:04 +0000 2017', 'Compound': 0.8442, 'Positive': 0.363, 'Negative': 0.637, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 08:30:05 +0000 2017', 'Compound': 0.4939, 'Positive': 0.198, 'Negative': 0.802, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 08:15:05 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 08:00:06 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 07:49:05 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 07:30:01 +0000 2017', 'Compound': -0.6124, 'Positive': 0.0, 'Negative': 0.75, 'Neutral': 0.25}, {'Date': 'Sat Dec 09 07:16:03 +0000 2017', 'Compound': -0.0258, 'Positive': 0.133, 'Negative': 0.687, 'Neutral': 0.18}, {'Date': 'Sat Dec 09 06:45:05 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 06:37:03 +0000 2017', 'Compound': 0.3612, 'Positive': 0.122, 'Negative': 0.878, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 06:19:06 +0000 2017', 'Compound': 0.6597, 'Positive': 0.241, 'Negative': 0.759, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 06:15:06 +0000 2017', 'Compound': 0.4588, 'Positive': 0.15, 'Negative': 0.85, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 05:45:02 +0000 2017', 'Compound': 0.4927, 'Positive': 0.176, 'Negative': 0.824, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 05:30:00 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 05:16:02 +0000 2017', 'Compound': 0.5267, 'Positive': 0.207, 'Negative': 0.793, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 05:00:06 +0000 2017', 'Compound': -0.5423, 'Positive': 0.0, 'Negative': 0.844, 'Neutral': 0.156}, {'Date': 'Sat Dec 09 04:47:00 +0000 2017', 'Compound': 0.5423, 'Positive': 0.243, 'Negative': 0.757, 'Neutral': 0.0}, {'Date': 'Sat

Dec 09 04:35:56 +0000 2017', 'Compound': -0.2023, 'Positive': 0.0, 'Negative': 0.833, 'Neutral': 0.167}, {'Date': 'Sat Dec 09 04:19:42 +0000 2017', 'Compound': -0.2732, 'Positive': 0.161, 'Negative': 0.622, 'Neutral': 0.218}, {'Date': 'Sat Dec 09 04:04:00 +0000 2017', 'Compound': -0.7351, 'Positive': 0.0, 'Negative': 0.617, 'Neutral': 0.383}, {'Date': 'Sat Dec 09 03:50:26 +0000 2017', 'Compound': -0.2732, 'Positive': 0.161, 'Negative': 0.622, 'Neutral': 0.218}, {'Date': 'Sat Dec 09 03:29:19 +0000 2017', 'Compound': -0.25, 'Positive': 0.179, 'Negative': 0.577, 'Neutral': 0.244}, {'Date': 'Sat Dec 09 03:05:50 +0000 2017', 'Compound': 0.5574, 'Positive': 0.167, 'Negative': 0.833, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 03:04:05 +0000 2017', 'Compound': -0.296, 'Positive': 0.0, 'Negative': 0.905, 'Neutral': 0.095}, {'Date': 'Sat Dec 09 03:03:15 +0000 2017', 'Compound': 0.5423, 'Positive': 0.231, 'Negative': 0.769, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 02:55:48 +0000 2017', 'Compound': 0.0258, 'Positive': 0.048, 'Negative': 0.952, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 02:55:01 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 02:50:27 +0000 2017', 'Compound': 0.9118, 'Positive': 0.405, 'Negative': 0.595, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 02:45:01 +0000 2017', 'Compound': -0.8271, 'Positive': 0.0, 'Negative': 0.535, 'Neutral': 0.465}, {'Date': 'Sat Dec 09 02:43:10 +0000 2017', 'Compound': -0.5106, 'Positive': 0.0, 'Negative': 0.852, 'Neutral': 0.148}, {'Date': 'Sat Dec 09 02:39:47 +0000 2017', 'Compound': 0.8993, 'Positive': 0.448, 'Negative': 0.552, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 02:33:11 +0000 2017', 'Compound': -0.3412, 'Positive': 0.0, 'Negative': 0.901, 'Neutral': 0.099}, {'Date': 'Sat Dec 09 02:29:28 +0000 2017', 'Compound': 0.5423, 'Positive': 0.163, 'Negative': 0.837, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 02:23:29 +0000 2017', 'Compound': 0.4215, 'Positive': 0.113, 'Negative': 0.887, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 02:19:25 +0000 2017', 'Compound': -0.4168, 'Positive': 0.0, 'Negative': 0.679, 'Neutral': 0.321}, {'Date': 'Sat Dec 09 02:13:42 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 02:09:08 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 02:08:20 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}], '@nytimes': [{'Date': 'Sat Dec 09 15:46:45 +0000 2017', 'Compound': -0.6808, 'Positive': 0.0, 'Negative': 0.827, 'Neutral': 0.173}, {'Date': 'Sat Dec 09 15:32:03 +0000 2017', 'Compound': 0.6369, 'Positive': 0.198, 'Negative': 0.802, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 15:17:06 +0000 2017', 'Compound': 0.2023, 'Positive': 0.107, 'Negative': 0.893, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 15:02:05 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 14:41:06 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 14:39:27 +0000 2017', 'Compound': -0.34, 'Positive': 0.0, 'Negative': 0.676, 'Neutral': 0.324}, {'Date': 'Sat Dec 09 14:29:57 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 14:21:03 +0000 2017', 'Compound': 0.802, 'Positive': 0.238, 'Negative': 0.762, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 14:02:07 +0000 2017', 'Compound': 0.6652, 'Positive': 0.307, 'Negative': 0.475, 'Neutral': 0.218}, {'Date': 'Sat Dec 09 13:45:13 +0000 2017', 'Compound': 0.6369, 'Positive': 0.412, 'Negative': 0.588, 'Neu

tral': 0.0}, {'Date': 'Sat Dec 09 13:41:03 +0000 2017', 'Compound':
-0.3818, 'Positive': 0.0, 'Negative': 0.794, 'Neutral': 0.206}, {'Da
te': 'Sat Dec 09 13:21:01 +0000 2017', 'Compound': -0.2183, 'Positiv
e': 0.0, 'Negative': 0.828, 'Neutral': 0.172}, {'Date': 'Sat Dec 09
13:04:23 +0000 2017', 'Compound': -0.4019, 'Positive': 0.0, 'Negativ
e': 0.816, 'Neutral': 0.184}, {'Date': 'Sat Dec 09 13:02:03 +0000 20
17', 'Compound': -0.5423, 'Positive': 0.0, 'Negative': 0.727, 'Neutr
al': 0.273}, {'Date': 'Sat Dec 09 12:41:02 +0000 2017', 'Compound':
0.4404, 'Positive': 0.139, 'Negative': 0.861, 'Neutral': 0.0}, {'Dat
e': 'Sat Dec 09 12:21:03 +0000 2017', 'Compound': 0.431, 'Positive':
0.169, 'Negative': 0.831, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 12:0
2:01 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0,
'Neutral': 0.0}, {'Date': 'Sat Dec 09 11:44:07 +0000 2017', 'Compoun
d': 0.6369, 'Positive': 0.457, 'Negative': 0.543, 'Neutral': 0.0}, {
'Date': 'Sat Dec 09 11:25:41 +0000 2017', 'Compound': -0.5994, 'Posi
tive': 0.0, 'Negative': 0.804, 'Neutral': 0.196}, {'Date': 'Sat Dec
09 11:06:06 +0000 2017', 'Compound': 0.6808, 'Positive': 0.444, 'Neg
ative': 0.556, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 15:46:45 +0000
2017', 'Compound': -0.6808, 'Positive': 0.0, 'Negative': 0.827, 'Neu
tral': 0.173}, {'Date': 'Sat Dec 09 15:32:03 +0000 2017', 'Compound'
: 0.6369, 'Positive': 0.198, 'Negative': 0.802, 'Neutral': 0.0}, {'D
ate': 'Sat Dec 09 15:17:06 +0000 2017', 'Compound': 0.2023, 'Positiv
e': 0.107, 'Negative': 0.893, 'Neutral': 0.0}, {'Date': 'Sat Dec 09
15:02:05 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative':
1.0, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 14:41:06 +0000 2017', 'Co
mpound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'D
ate': 'Sat Dec 09 14:39:27 +0000 2017', 'Compound': -0.34, 'Positive
': 0.0, 'Negative': 0.676, 'Neutral': 0.324}, {'Date': 'Sat Dec 09 1
4:29:57 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1
.0, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 14:21:03 +0000 2017', 'Com
pound': 0.802, 'Positive': 0.238, 'Negative': 0.762, 'Neutral': 0.0}
, {'Date': 'Sat Dec 09 14:02:07 +0000 2017', 'Compound': 0.6652, 'Po
sitive': 0.307, 'Negative': 0.475, 'Neutral': 0.218}, {'Date': 'Sat
Dec 09 13:45:13 +0000 2017', 'Compound': 0.6369, 'Positive': 0.412,
'Negative': 0.588, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 13:41:03 +0
000 2017', 'Compound': -0.3818, 'Positive': 0.0, 'Negative': 0.794,
'Neutral': 0.206}, {'Date': 'Sat Dec 09 13:21:01 +0000 2017', 'Compo
und': -0.2183, 'Positive': 0.0, 'Negative': 0.828, 'Neutral': 0.172}
, {'Date': 'Sat Dec 09 13:04:23 +0000 2017', 'Compound': -0.4019, 'P
ositive': 0.0, 'Negative': 0.816, 'Neutral': 0.184}, {'Date': 'Sat D
ec 09 13:02:03 +0000 2017', 'Compound': -0.5423, 'Positive': 0.0, 'N
egative': 0.727, 'Neutral': 0.273}, {'Date': 'Sat Dec 09 12:41:02 +0
000 2017', 'Compound': 0.4404, 'Positive': 0.139, 'Negative': 0.861,
'Neutral': 0.0}, {'Date': 'Sat Dec 09 12:21:03 +0000 2017', 'Compoun
d': 0.431, 'Positive': 0.169, 'Negative': 0.831, 'Neutral': 0.0}, {'
Date': 'Sat Dec 09 12:02:01 +0000 2017', 'Compound': 0.0, 'Positive'
: 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 11:44:
07 +0000 2017', 'Compound': 0.6369, 'Positive': 0.457, 'Negative': 0
.543, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 11:25:41 +0000 2017', 'C
ompound': -0.5994, 'Positive': 0.0, 'Negative': 0.804, 'Neutral': 0.
196}, {'Date': 'Sat Dec 09 11:06:06 +0000 2017', 'Compound': 0.6808,
'Positive': 0.444, 'Negative': 0.556, 'Neutral': 0.0}, {'Date': 'Sat
Dec 09 11:02:28 +0000 2017', 'Compound': -0.5423, 'Positive': 0.101,

'Negative': 0.628, 'Neutral': 0.271}, {'Date': 'Sat Dec 09 10:43:53 +0000 2017', 'Compound': 0.6369, 'Positive': 0.318, 'Negative': 0.682, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 10:25:47 +0000 2017', 'Compound': 0.5859, 'Positive': 0.432, 'Negative': 0.568, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 10:08:49 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 10:03:40 +0000 2017', 'Compound': -0.296, 'Positive': 0.0, 'Negative': 0.872, 'Neutral': 0.128}, {'Date': 'Sat Dec 09 09:45:13 +0000 2017', 'Compound': 0.0772, 'Positive': 0.067, 'Negative': 0.933, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 09:27:31 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 09:09:08 +0000 2017', 'Compound': -0.7506, 'Positive': 0.0, 'Negative': 0.584, 'Neutral': 0.416}, {'Date': 'Sat Dec 09 08:50:31 +0000 2017', 'Compound': 0.6369, 'Positive': 0.457, 'Negative': 0.543, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 08:32:31 +0000 2017', 'Compound': 0.5777, 'Positive': 0.145, 'Negative': 0.855, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 08:14:36 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 07:55:28 +0000 2017', 'Compound': -0.34, 'Positive': 0.0, 'Negative': 0.862, 'Neutral': 0.138}, {'Date': 'Sat Dec 09 07:37:02 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 07:09:14 +0000 2017', 'Compound': -0.7003, 'Positive': 0.0, 'Negative': 0.758, 'Neutral': 0.242}, {'Date': 'Sat Dec 09 06:50:41 +0000 2017', 'Compound': 0.1531, 'Positive': 0.096, 'Negative': 0.904, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 06:32:12 +0000 2017', 'Compound': 0.6486, 'Positive': 0.261, 'Negative': 0.739, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 06:16:08 +0000 2017', 'Compound': -0.6908, 'Positive': 0.0, 'Negative': 0.68, 'Neutral': 0.32}, {'Date': 'Sat Dec 09 06:14:03 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 05:55:32 +0000 2017', 'Compound': -0.2924, 'Positive': 0.0, 'Negative': 0.897, 'Neutral': 0.103}, {'Date': 'Sat Dec 09 05:38:03 +0000 2017', 'Compound': -0.0516, 'Positive': 0.128, 'Negative': 0.732, 'Neutral': 0.14}, {'Date': 'Sat Dec 09 05:19:54 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 05:02:04 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 04:47:03 +0000 2017', 'Compound': -0.5994, 'Positive': 0.0, 'Negative': 0.83, 'Neutral': 0.17}, {'Date': 'Sat Dec 09 04:38:07 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 04:32:03 +0000 2017', 'Compound': -0.3626, 'Positive': 0.0, 'Negative': 0.736, 'Neutral': 0.264}, {'Date': 'Sat Dec 09 04:28:48 +0000 2017', 'Compound': 0.3612, 'Positive': 0.217, 'Negative': 0.783, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 04:17:04 +0000 2017', 'Compound': 0.3612, 'Positive': 0.161, 'Negative': 0.839, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 04:12:22 +0000 2017', 'Compound': -0.2732, 'Positive': 0.0, 'Negative': 0.811, 'Neutral': 0.189}, {'Date': 'Sat Dec 09 04:02:03 +0000 2017', 'Compound': -0.3182, 'Positive': 0.0, 'Negative': 0.881, 'Neutral': 0.119}, {'Date': 'Sat Dec 09 03:47:03 +0000 2017', 'Compound': -0.5423, 'Positive': 0.0, 'Negative': 0.863, 'Neutral': 0.137}, {'Date': 'Sat Dec 09 03:32:02 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 03:17:05 +0000 2017', 'Compound': 0.0258, 'Positive': 0.129, 'Negative'

': 0.745, 'Neutral': 0.125}, {'Date': 'Sat Dec 09 03:02:03 +0000 2017', 'Compound': 0.2023, 'Positive': 0.107, 'Negative': 0.893, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 02:47:07 +0000 2017', 'Compound': -0.3612, 'Positive': 0.0, 'Negative': 0.783, 'Neutral': 0.217}, {'Date': 'Sat Dec 09 02:32:04 +0000 2017', 'Compound': -0.8176, 'Positive': 0.0, 'Negative': 0.694, 'Neutral': 0.306}, {'Date': 'Sat Dec 09 02:17:07 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 02:02:05 +0000 2017', 'Compound': -0.5423, 'Positive': 0.0, 'Negative': 0.727, 'Neutral': 0.273}, {'Date': 'Sat Dec 09 01:47:04 +0000 2017', 'Compound': 0.3182, 'Positive': 0.133, 'Negative': 0.867, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 01:32:04 +0000 2017', 'Compound': 0.5559, 'Positive': 0.294, 'Negative': 0.706, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 01:17:01 +0000 2017', 'Compound': -0.296, 'Positive': 0.0, 'Negative': 0.901, 'Neutral': 0.099}, {'Date': 'Sat Dec 09 01:02:06 +0000 2017', 'Compound': 0.6652, 'Positive': 0.307, 'Negative': 0.475, 'Neutral': 0.218}, {'Date': 'Sat Dec 09 00:47:07 +0000 2017', 'Compound': -0.5408, 'Positive': 0.107, 'Negative': 0.66, 'Neutral': 0.233}, {'Date': 'Sat Dec 09 00:32:07 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 00:17:05 +0000 2017', 'Compound': 0.5719, 'Positive': 0.144, 'Negative': 0.856, 'Neutral': 0.0}, {'Date': 'Sat Dec 09 00:02:08 +0000 2017', 'Compound': 0.6369, 'Positive': 0.198, 'Negative': 0.802, 'Neutral': 0.0}, {'Date': 'Fri Dec 08 23:47:02 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Fri Dec 08 23:32:02 +0000 2017', 'Compound': -0.5994, 'Positive': 0.0, 'Negative': 0.822, 'Neutral': 0.178}, {'Date': 'Fri Dec 08 23:17:03 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Fri Dec 08 23:07:06 +0000 2017', 'Compound': -0.296, 'Positive': 0.0, 'Negative': 0.872, 'Neutral': 0.128}, {'Date': 'Fri Dec 08 22:55:10 +0000 2017', 'Compound': -0.34, 'Positive': 0.0, 'Negative': 0.806, 'Neutral': 0.194}, {'Date': 'Fri Dec 08 22:40:19 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Fri Dec 08 22:25:06 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Fri Dec 08 22:16:07 +0000 2017', 'Compound': -0.4939, 'Positive': 0.077, 'Negative': 0.774, 'Neutral': 0.148}, {'Date': 'Fri Dec 08 22:02:04 +0000 2017', 'Compound': 0.4404, 'Positive': 0.139, 'Negative': 0.861, 'Neutral': 0.0}, {'Date': 'Fri Dec 08 21:55:05 +0000 2017', 'Compound': 0.431, 'Positive': 0.169, 'Negative': 0.831, 'Neutral': 0.0}, {'Date': 'Fri Dec 08 21:45:07 +0000 2017', 'Compound': 0.2023, 'Positive': 0.126, 'Negative': 0.783, 'Neutral': 0.091}, {'Date': 'Fri Dec 08 21:40:05 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Fri Dec 08 21:25:05 +0000 2017', 'Compound': 0.0, 'Positive': 0.0, 'Negative': 1.0, 'Neutral': 0.0}, {'Date': 'Fri Dec 08 21:10:08 +0000 2017', 'Compound': 0.4201, 'Positive': 0.177, 'Negative': 0.823, 'Neutral': 0.0}, {'Date': 'Fri Dec 08 20:58:02 +0000 2017', 'Compound': -0.7717, 'Positive': 0.0, 'Negative': 0.628, 'Neutral': 0.372}]}

```
In [7]:
```

```
for k, v in users_sentiment.items():

#     df[k] = pd.DataFrame.from_dict(v)

#     print(df[k])

    sentiment_df[k] = pd.DataFrame.from_dict(v)
    sentiment_df
    print(sentiment_df)
```

```
    @BBCWorld     @CBS      @CNN @FoxNews @nytimes
0      0.3182   0.6476        0   0.3182  -0.6808
1           0   0.8126   0.2263   0.4019   0.6369
2     -0.4767   0.7777        0  -0.3818   0.2023
3           0   0.5423    -0.85   0.5994        0
4           0   0.3182  -0.4767        0        0
5     -0.5994   0.1511  -0.4939  -0.4019    -0.34
6     -0.1027   0.4199  -0.5994        0        0
7     -0.6369   0.5106    0.807        0    0.802
8           0        0  -0.7579        0   0.6652
9     -0.8387   0.3612        0  -0.4023   0.6369
10          0   0.9217  -0.4939        0  -0.3818
11          0   0.5213     0.34   -0.296  -0.2183
12     0.3182  -0.5655        0   0.5267  -0.4019
13          0   0.9466    0.296        0  -0.5423
14    -0.4215   0.5994  -0.6597        0   0.4404
15    -0.6808   0.7906    -0.34   0.7506    0.431
16    -0.6597   0.8689   0.4939        0        0
17    -0.7845   0.8016        0   0.0772   0.6369
18          0   0.5719        0        0  -0.5994
19    -0.5267        0   0.1779        0   0.6808
20     0.3182   0.6476        0   0.3182  -0.6808
21          0   0.8126   0.2263   0.4019   0.6369
22    -0.4767   0.7777        0  -0.3818   0.2023
23          0   0.5423    -0.85   0.5994        0
24          0   0.3182  -0.4767        0        0
25    -0.5994   0.1511  -0.4939  -0.4019    -0.34
26    -0.1027   0.4199  -0.5994        0        0
27    -0.6369   0.5106    0.807        0    0.802
28          0        0  -0.7579        0   0.6652
29    -0.8387   0.3612        0  -0.4023   0.6369
..        ...      ...      ...      ...      ...
70      0.124    0.296        0        0        0
71    -0.4588        0  -0.0516   0.3612   0.0258
72    -0.2263   0.6115        0   0.6597   0.2023
73    -0.7717        0   0.0258   0.4588  -0.3612
74          0   0.6808   0.4019   0.4927  -0.8176
75    -0.8225   0.3612        0        0        0
76    -0.7906        0        0   0.5267  -0.5423
77          0  -0.3595   0.4019  -0.5423   0.3182
78          0   0.6239  -0.3612   0.5423   0.5559
```

```
79   -0.743        0        0  -0.2023   -0.296
80        0   0.5542        0  -0.2732   0.6652
81    0.128        0   0.4019  -0.7351  -0.5408
82   0.0772        0  -0.4588  -0.2732        0
83    0.128        0  -0.3182    -0.25   0.5719
84  -0.8555   0.7482        0   0.5574   0.6369
85  -0.0516   0.8513  -0.6113    -0.296        0
86   0.1513   0.7232  -0.5423   0.5423  -0.5994
87        0        0   0.5267   0.0258        0
88        0   0.8979        0        0   -0.296
89        0        0   0.7506   0.9118    -0.34
90   0.0258   0.6988   0.4939  -0.8271        0
91        0        0   0.4939  -0.5106        0
92  -0.6486   0.7067        0   0.8993  -0.4939
93        0        0   0.4019  -0.3412   0.4404
94        0        0   0.3612   0.5423    0.431
95  -0.2023   0.6514        0   0.4215   0.2023
96  -0.2732   0.1139        0  -0.4168        0
97        0   0.6825   0.4404        0        0
98  -0.1027   0.5826   0.4588        0   0.4201
99        0        0   0.3378        0  -0.7717

[100 rows x 5 columns]
   @BBCWorld     @CBS     @CNN @FoxNews @nytimes
0     0.3182   0.6476        0   0.3182  -0.6808
1          0   0.8126   0.2263   0.4019   0.6369
2    -0.4767   0.7777        0  -0.3818   0.2023
3          0   0.5423    -0.85   0.5994        0
4          0   0.3182  -0.4767        0        0
5    -0.5994   0.1511  -0.4939  -0.4019    -0.34
6    -0.1027   0.4199  -0.5994        0        0
7    -0.6369   0.5106    0.807        0    0.802
8          0        0  -0.7579        0   0.6652
9    -0.8387   0.3612        0  -0.4023   0.6369
10         0   0.9217  -0.4939        0  -0.3818
11         0   0.5213     0.34   -0.296  -0.2183
12    0.3182  -0.5655        0   0.5267  -0.4019
13         0   0.9466    0.296        0  -0.5423
14   -0.4215   0.5994  -0.6597        0   0.4404
15   -0.6808   0.7906    -0.34   0.7506    0.431
16   -0.6597   0.8689   0.4939        0        0
17   -0.7845   0.8016        0   0.0772   0.6369
18         0   0.5719        0        0  -0.5994
19   -0.5267        0   0.1779        0   0.6808
20    0.3182   0.6476        0   0.3182  -0.6808
21         0   0.8126   0.2263   0.4019   0.6369
22   -0.4767   0.7777        0  -0.3818   0.2023
23         0   0.5423    -0.85   0.5994        0
24         0   0.3182  -0.4767        0        0
25   -0.5994   0.1511  -0.4939  -0.4019    -0.34
26   -0.1027   0.4199  -0.5994        0        0
27   -0.6369   0.5106    0.807        0    0.802
28         0        0  -0.7579        0   0.6652
```

```
29    -0.8387   0.3612        0   -0.4023    0.6369
..      ...       ...        ...      ...       ...
70     0.124    0.296         0        0         0
71    -0.4588       0   -0.0516    0.3612    0.0258
72    -0.2263   0.6115        0    0.6597    0.2023
73    -0.7717       0    0.0258    0.4588   -0.3612
74         0   0.6808    0.4019    0.4927   -0.8176
75    -0.8225   0.3612        0        0         0
76    -0.7906       0         0    0.5267   -0.5423
77         0  -0.3595    0.4019   -0.5423    0.3182
78         0   0.6239   -0.3612    0.5423    0.5559
79    -0.743        0         0   -0.2023    -0.296
80         0   0.5542        0   -0.2732    0.6652
81     0.128        0    0.4019   -0.7351   -0.5408
82    0.0772        0   -0.4588   -0.2732        0
83     0.128        0   -0.3182    -0.25     0.5719
84    -0.8555   0.7482        0    0.5574    0.6369
85    -0.0516   0.8513   -0.6113    -0.296        0
86     0.1513   0.7232   -0.5423    0.5423   -0.5994
87         0        0    0.5267    0.0258        0
88         0   0.8979        0        0     -0.296
89         0        0    0.7506    0.9118     -0.34
90    0.0258    0.6988    0.4939   -0.8271        0
91         0        0    0.4939   -0.5106        0
92    -0.6486   0.7067        0    0.8993   -0.4939
93         0        0    0.4019   -0.3412    0.4404
94         0        0    0.3612    0.5423     0.431
95    -0.2023   0.6514        0    0.4215    0.2023
96    -0.2732   0.1139        0   -0.4168        0
97         0   0.6825    0.4404        0         0
98    -0.1027   0.5826    0.4588        0    0.4201
99         0        0    0.3378        0   -0.7717

[100 rows x 5 columns]
    @BBCWorld     @CBS     @CNN  @FoxNews  @nytimes
0     0.3182    0.6476       0    0.3182   -0.6808
1          0    0.8126   0.2263   0.4019    0.6369
2     -0.4767   0.7777       0   -0.3818    0.2023
3          0    0.5423    -0.85   0.5994        0
4          0    0.3182  -0.4767       0         0
5     -0.5994   0.1511  -0.4939  -0.4019     -0.34
6     -0.1027   0.4199  -0.5994       0         0
7     -0.6369   0.5106    0.807       0     0.802
8          0        0   -0.7579       0    0.6652
9     -0.8387   0.3612       0   -0.4023    0.6369
10         0    0.9217  -0.4939       0    -0.3818
11         0    0.5213     0.34   -0.296   -0.2183
12    0.3182   -0.5655       0    0.5267   -0.4019
13         0    0.9466    0.296       0    -0.5423
14    -0.4215   0.5994  -0.6597       0     0.4404
15    -0.6808   0.7906    -0.34   0.7506     0.431
16    -0.6597   0.8689   0.4939       0         0
17    -0.7845   0.8016       0    0.0772    0.6369
```

```
18        0    0.5719        0         0   -0.5994
19  -0.5267         0    0.1779        0    0.6808
20   0.3182    0.6476        0    0.3182   -0.6808
21        0    0.8126    0.2263    0.4019    0.6369
22  -0.4767    0.7777        0   -0.3818    0.2023
23        0    0.5423    -0.85    0.5994         0
24        0    0.3182   -0.4767        0         0
25  -0.5994    0.1511   -0.4939   -0.4019     -0.34
26  -0.1027    0.4199   -0.5994        0         0
27  -0.6369    0.5106    0.807         0     0.802
28        0         0   -0.7579        0    0.6652
29  -0.8387    0.3612        0   -0.4023    0.6369
..      ...       ...       ...       ...       ...
70    0.124     0.296        0         0         0
71  -0.4588         0   -0.0516    0.3612    0.0258
72  -0.2263    0.6115        0    0.6597    0.2023
73  -0.7717         0    0.0258    0.4588   -0.3612
74        0    0.6808    0.4019    0.4927   -0.8176
75  -0.8225    0.3612        0         0         0
76  -0.7906         0        0    0.5267   -0.5423
77        0   -0.3595    0.4019   -0.5423    0.3182
78        0    0.6239   -0.3612    0.5423    0.5559
79   -0.743         0        0   -0.2023    -0.296
80        0    0.5542        0   -0.2732    0.6652
81    0.128         0    0.4019   -0.7351   -0.5408
82   0.0772         0   -0.4588   -0.2732         0
83    0.128         0   -0.3182    -0.25    0.5719
84  -0.8555    0.7482        0    0.5574    0.6369
85  -0.0516    0.8513   -0.6113    -0.296         0
86   0.1513    0.7232   -0.5423    0.5423   -0.5994
87        0         0    0.5267    0.0258         0
88        0    0.8979        0         0    -0.296
89        0         0    0.7506    0.9118     -0.34
90   0.0258    0.6988    0.4939   -0.8271         0
91        0         0    0.4939   -0.5106         0
92  -0.6486    0.7067        0    0.8993   -0.4939
93        0         0    0.4019   -0.3412    0.4404
94        0         0    0.3612    0.5423     0.431
95  -0.2023    0.6514        0    0.4215    0.2023
96  -0.2732    0.1139        0   -0.4168         0
97        0    0.6825    0.4404        0         0
98  -0.1027    0.5826    0.4588        0    0.4201
99        0         0    0.3378        0   -0.7717

[100 rows x 5 columns]
   @BBCWorld      @CBS      @CNN  @FoxNews  @nytimes
0    0.3182    0.6476        0    0.3182   -0.6808
1         0    0.8126    0.2263    0.4019    0.6369
2   -0.4767    0.7777        0   -0.3818    0.2023
3         0    0.5423    -0.85    0.5994         0
4         0    0.3182   -0.4767        0         0
5   -0.5994    0.1511   -0.4939   -0.4019     -0.34
6   -0.1027    0.4199   -0.5994        0         0
```

7	−0.6369	0.5106	0.807	0	0.802
8	0	0	−0.7579	0	0.6652
9	−0.8387	0.3612	0	−0.4023	0.6369
10	0	0.9217	−0.4939	0	−0.3818
11	0	0.5213	0.34	−0.296	−0.2183
12	0.3182	−0.5655	0	0.5267	−0.4019
13	0	0.9466	0.296	0	−0.5423
14	−0.4215	0.5994	−0.6597	0	0.4404
15	−0.6808	0.7906	−0.34	0.7506	0.431
16	−0.6597	0.8689	0.4939	0	0
17	−0.7845	0.8016	0	0.0772	0.6369
18	0	0.5719	0	0	−0.5994
19	−0.5267	0	0.1779	0	0.6808
20	0.3182	0.6476	0	0.3182	−0.6808
21	0	0.8126	0.2263	0.4019	0.6369
22	−0.4767	0.7777	0	−0.3818	0.2023
23	0	0.5423	−0.85	0.5994	0
24	0	0.3182	−0.4767	0	0
25	−0.5994	0.1511	−0.4939	−0.4019	−0.34
26	−0.1027	0.4199	−0.5994	0	0
27	−0.6369	0.5106	0.807	0	0.802
28	0	0	−0.7579	0	0.6652
29	−0.8387	0.3612	0	−0.4023	0.6369
..	...	...	...	...	...
70	0.124	0.296	0	0	0
71	−0.4588	0	−0.0516	0.3612	0.0258
72	−0.2263	0.6115	0	0.6597	0.2023
73	−0.7717	0	0.0258	0.4588	−0.3612
74	0	0.6808	0.4019	0.4927	−0.8176
75	−0.8225	0.3612	0	0	0
76	−0.7906	0	0	0.5267	−0.5423
77	0	−0.3595	0.4019	−0.5423	0.3182
78	0	0.6239	−0.3612	0.5423	0.5559
79	−0.743	0	0	−0.2023	−0.296
80	0	0.5542	0	−0.2732	0.6652
81	0.128	0	0.4019	−0.7351	−0.5408
82	0.0772	0	−0.4588	−0.2732	0
83	0.128	0	−0.3182	−0.25	0.5719
84	−0.8555	0.7482	0	0.5574	0.6369
85	−0.0516	0.8513	−0.6113	−0.296	0
86	0.1513	0.7232	−0.5423	0.5423	−0.5994
87	0	0	0.5267	0.0258	0
88	0	0.8979	0	0	−0.296
89	0	0	0.7506	0.9118	−0.34
90	0.0258	0.6988	0.4939	−0.8271	0
91	0	0	0.4939	−0.5106	0
92	−0.6486	0.7067	0	0.8993	−0.4939
93	0	0	0.4019	−0.3412	0.4404
94	0	0	0.3612	0.5423	0.431
95	−0.2023	0.6514	0	0.4215	0.2023
96	−0.2732	0.1139	0	−0.4168	0
97	0	0.6825	0.4404	0	0
98	−0.1027	0.5826	0.4588	0	0.4201

```
99          0          0   0.3378          0  -0.7717

[100 rows x 5 columns]
    @BBCWorld     @CBS     @CNN  @FoxNews  @nytimes
0      0.3182   0.6476        0    0.3182   -0.6808
1           0   0.8126   0.2263    0.4019    0.6369
2     -0.4767   0.7777        0   -0.3818    0.2023
3           0   0.5423    -0.85    0.5994         0
4           0   0.3182  -0.4767         0         0
5     -0.5994   0.1511  -0.4939   -0.4019     -0.34
6     -0.1027   0.4199  -0.5994         0         0
7     -0.6369   0.5106    0.807         0     0.802
8           0        0  -0.7579         0    0.6652
9     -0.8387   0.3612        0   -0.4023    0.6369
10          0   0.9217  -0.4939         0   -0.3818
11          0   0.5213     0.34    -0.296   -0.2183
12     0.3182  -0.5655        0    0.5267   -0.4019
13          0   0.9466    0.296         0   -0.5423
14    -0.4215   0.5994  -0.6597         0    0.4404
15    -0.6808   0.7906    -0.34    0.7506     0.431
16    -0.6597   0.8689   0.4939         0         0
17    -0.7845   0.8016        0    0.0772    0.6369
18          0   0.5719        0         0   -0.5994
19    -0.5267        0   0.1779         0    0.6808
20     0.3182   0.6476        0    0.3182   -0.6808
21          0   0.8126   0.2263    0.4019    0.6369
22    -0.4767   0.7777        0   -0.3818    0.2023
23          0   0.5423    -0.85    0.5994         0
24          0   0.3182  -0.4767         0         0
25    -0.5994   0.1511  -0.4939   -0.4019     -0.34
26    -0.1027   0.4199  -0.5994         0         0
27    -0.6369   0.5106    0.807         0     0.802
28          0        0  -0.7579         0    0.6652
29    -0.8387   0.3612        0   -0.4023    0.6369
..        ...      ...      ...       ...       ...
70      0.124    0.296        0         0         0
71    -0.4588        0  -0.0516    0.3612    0.0258
72    -0.2263   0.6115        0    0.6597    0.2023
73    -0.7717        0   0.0258    0.4588   -0.3612
74          0   0.6808   0.4019    0.4927   -0.8176
75    -0.8225   0.3612        0         0         0
76    -0.7906        0        0    0.5267   -0.5423
77          0  -0.3595   0.4019   -0.5423    0.3182
78          0   0.6239  -0.3612    0.5423    0.5559
79     -0.743        0        0   -0.2023    -0.296
80          0   0.5542        0   -0.2732    0.6652
81      0.128        0   0.4019   -0.7351   -0.5408
82     0.0772        0  -0.4588   -0.2732         0
83      0.128        0  -0.3182     -0.25    0.5719
84    -0.8555   0.7482        0    0.5574    0.6369
85    -0.0516   0.8513  -0.6113    -0.296         0
86     0.1513   0.7232  -0.5423    0.5423   -0.5994
87          0        0   0.5267    0.0258         0
```

```
88          0   0.8979        0          0   -0.296
89          0        0   0.7506     0.9118    -0.34
90     0.0258   0.6988   0.4939    -0.8271        0
91          0        0   0.4939    -0.5106        0
92    -0.6486   0.7067        0     0.8993   -0.4939
93          0        0   0.4019    -0.3412    0.4404
94          0        0   0.3612     0.5423    0.431
95    -0.2023   0.6514        0     0.4215    0.2023
96    -0.2732   0.1139        0    -0.4168        0
97          0   0.6825   0.4404          0        0
98    -0.1027   0.5826   0.4588          0    0.4201
99          0        0   0.3378          0   -0.7717

[100 rows x 5 columns]
```

In [8]:

```python
import datetime

run_date = datetime.datetime.today().strftime('%Y-%m-%d')

print(run_date)
```
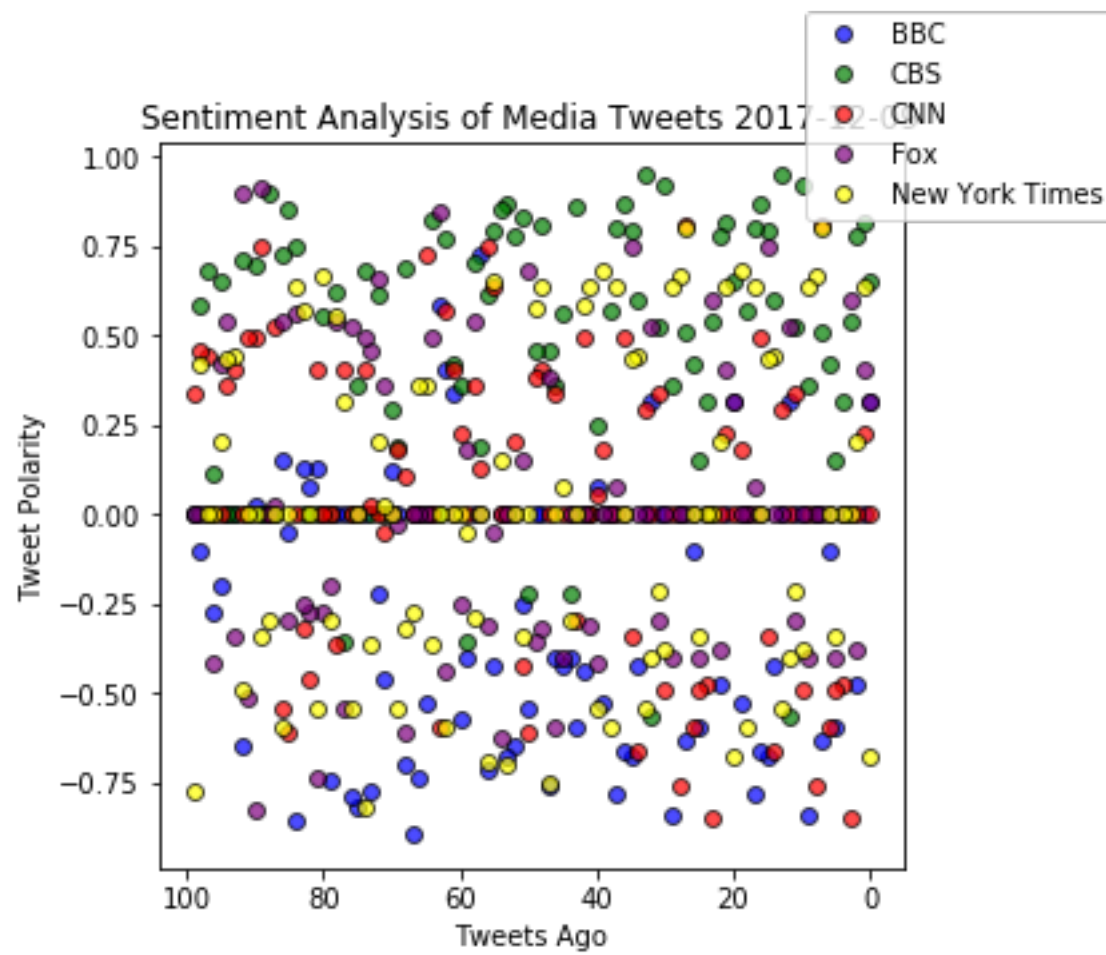
2017-12-09

```python
plt.figure(figsize=(5,5))
BCC, = plt.plot(sentiment_df['@BBCWorld'], marker="o", linewidth=0, color='blue'
, markeredgecolor='black',
        alpha=0.7)
CBS, = plt.plot(sentiment_df['@CBS'], marker="o", linewidth=0, color='green', ma
rkeredgecolor='black',
        alpha=0.7)
CNN, = plt.plot(sentiment_df['@CNN'], marker="o", linewidth=0, color='red', mark
eredgecolor='black',
        alpha=0.7)
Fox, = plt.plot(sentiment_df['@FoxNews'], marker="o", linewidth=0, color='purple
', markeredgecolor='black',
        alpha=0.7)
NYTimes, = plt.plot(sentiment_df['@nytimes'], marker="o", linewidth=0, color='ye
llow', markeredgecolor='black',
        alpha=0.7)
# plt.plot(sentiment_pd["Compound"], marker="o", linewidth=0, color='yellow', ma
rkeredgecolor='black',
#         alpha=0.7)

plt.legend([BCC, CBS, CNN, Fox, NYTimes], ['BBC', 'CBS', 'CNN', 'Fox','New York
Times'], loc='upper right',
          bbox_to_anchor=(1.3, 1.2))
# # Add title and labels
plt.title(f"Sentiment Analysis of Media Tweets " + (run_date))
plt.ylabel("Tweet Polarity")
plt.xlabel("Tweets Ago")
plt.gca().invert_xaxis()
plt.show()
```

`<matplotlib.figure.Figure at 0x10ef2dc88>`

Sentiment Analysis of Media Tweets 2017-12-03

Legend:
- BBC
- CBS
- CNN
- Fox
- New York Times

X-axis: Tweets Ago
Y-axis: Tweet Polarity

In [ ]:

In [ ]:

In [ ]: