```
import tweepy
import json
import numpy as np
import pandas as pd
import re
from pandas.io.json import json_normalize
consumer_key = "Yu7jCGA78ABY6eHrWMKYojKX5"
consumer_secret = "FfxOHv2cAQPhfKlaUEj7mg87NhGSI10J9cjzHGvff7biHp8v2B"
access_token = "71495930-tFiTSaCkM24X2QoGe0gw0L3l9m3pjzdBHVmI7FjOu"
access_token_secret = "yxCYXI04uteHpDiuWICpLfejkg6udCtXz4LfJbm4bnAPW"


auth = tweepy.OAuthHandler(consumer_key, consumer_secret)
auth.set_access_token(access_token, access_token_secret)
api = tweepy.API(auth)


Indonesia_woe = 23424846

trends = api.trends_place(Indonesia_woe)
for item in (trends[0]['trends']):
       print (item['name'])

     #malamjumat
     #Onepiece992
     #KebenaranMilikPenguasa
     KENMA
     #home_run_teaser
     #가을의보석_우빈_생일축하해
```

Topik "Covid"

```
search_words = "covid"
date_since = "2020-10-10"
new_search = search_words + " -filter:retweets"

tweets = tweepy.Cursor(api.search,
        q=new_search,
        lang="id",
        since=date_since).items(500)


items = []
for tweet in tweets:
      items.append (' '.join(re.sub("(@[A-Za-z0-9]+)|([^0-9A-Za-z \t])|(\w+:\/\/\S+)", " ", t
hasil = pd.DataFrame(data=items, columns=['tweet'])
hasil.head()
```

	tweet
0	*Ronaldo dan Rossi Positif Covid 19 Mengapa Atl...*
1	*Situasi terkini COVID 19 di Pahang mengikut mu...*
2	*Cristiano Ronaldo dan Valentino Rossi pun kena...*
3	*Pebalap MotoGP Valentino Rossi dinyatakan posi...*

```
!wget 'https://raw.githubusercontent.com/iqbalhanif/Sanberlearn/master/kata_negatif.txt'
!wget 'https://raw.githubusercontent.com/iqbalhanif/Sanberlearn/master/kata_positif.txt'
```

```
--2020-10-15 23:12:46--  https://raw.githubusercontent.com/iqbalhanif/Sanberlearn/master
Resolving raw.githubusercontent.com (raw.githubusercontent.com)... 151.101.0.133, 151.10
Connecting to raw.githubusercontent.com (raw.githubusercontent.com)|151.101.0.133|:443.
HTTP request sent, awaiting response... 200 OK
Length: 38523 (38K) [text/plain]
Saving to: ‘kata_negatif.txt’

kata_negatif.txt    100%[===================>]  37.62K  --.-KB/s    in 0.01s

2020-10-15 23:12:47 (2.45 MB/s) - ‘kata_negatif.txt’ saved [38523/38523]

--2020-10-15 23:12:47--  https://raw.githubusercontent.com/iqbalhanif/Sanberlearn/master
Resolving raw.githubusercontent.com (raw.githubusercontent.com)... 151.101.0.133, 151.10
Connecting to raw.githubusercontent.com (raw.githubusercontent.com)|151.101.0.133|:443.
HTTP request sent, awaiting response... 200 OK
Length: 14160 (14K) [text/plain]
Saving to: ‘kata_positif.txt’

kata_positif.txt    100%[===================>]  13.83K  --.-KB/s    in 0.01s

2020-10-15 23:12:47 (1.04 MB/s) - ‘kata_positif.txt’ saved [14160/14160]
```

```
pos_list= open("./kata_positif.txt","r")
pos_kata = pos_list.readlines()
neg_list= open("./kata_negatif.txt","r")
neg_kata = neg_list.readlines()


hasil = []
for item in items:
   count_p = 0
   count_n = 0
   for kata_pos in pos_kata:
       if kata_pos.strip() in item:
           count_p +=1
   for kata_neg in neg_kata:
       if kata_neg.strip() in item:
           count_n +=1
   # print ("positif: "+str(count_p))
   # print ("negatif: "+str(count_n))
   hasil.append(count_p - count_n)
```

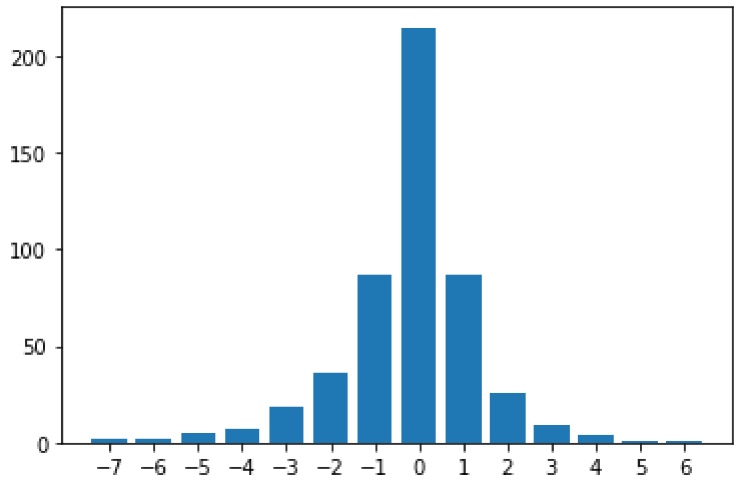
```
    hasil.append(count_p - count_n)
    # print ("----------------------------------------------------")

print ("Nilai rata-rata: "+str(np.mean(hasil)))
print ("Nilai median: "+str(np.median(hasil)))
print ("Standar deviasi: "+str(np.std(hasil)))
```

```
Nilai rata-rata: -0.198
Nilai median: 0.0
Standar deviasi: 1.5345344570911401
```

```
import matplotlib.pyplot as plt

labels, counts = np.unique(hasil, return_counts=True)
plt.bar(labels, counts, align='center')
plt.gca().set_xticks(labels)
plt.show()
```



Topik Omnibus

```
search_words = "omnibus"
date_since = "2020-10-10"
new_search = search_words + " -filter:retweets"

tweets2 = tweepy.Cursor(api.search,
        q=new_search,
        lang="id",
        since=date_since).items(500)
```

```
items2 = []
for tweet in tweets2:
      items2.append (' '.join(re.sub("(@[A-Za-z0-9]+)|([^0-9A-Za-z \t])|(\w+:\/\/\S+)", " ",
hasil2 = pd.DataFrame(data=items2, columns=['tweet'])
hasil2.head()
```

	tweet
0	*Gubernur Banten susul Jabar DIY Jatim Sumbar S...*
1	*Jazilul PKB Yang Berkepentingan Omnibus Law Ka...*
2	*Ada Demo Tolak Omnibus Law Kereta Api Jarak Ja...*
3	*Penolakan masyarakat terhadap UU Omnibus Law C...*
4	*KSPI Ungkap Bahaya Omnibus Law Bagi Buruh Omni...*

```
hasil2 = []
for item in items2:
   count_p = 0
   count_n = 0
   for kata_pos in pos_kata:
       if kata_pos.strip() in item:
           count_p +=1
   for kata_neg in neg_kata:
       if kata_neg.strip() in item:
           count_n +=1
   # print ("positif: "+str(count_p))
   # print ("negatif: "+str(count_n))
   hasil2.append(count_p - count_n)
   # print ("-----------------------------------------------------")

print ("Nilai rata-rata: "+str(np.mean(hasil2)))
print ("Nilai median: "+str(np.median(hasil2)))
print ("Standar deviasi: "+str(np.std(hasil2)))
```

```
Nilai rata-rata: -0.3466666666666667
Nilai median: 0.0
Standar deviasi: 1.5143168610154067
```

```
import matplotlib.pyplot as plt

labels, counts = np.unique(hasil2, return_counts=True)
plt.bar(labels, counts, align='center')
plt.gca().set_xticks(labels)
plt.show()
```

Hasil Analisis

Sentimen tweet untuk topik covid dan omnibus law secara median dan mean mendekati netral (0), namun jika dilihat dari sebaran cenderung menjulur ke kiri, dimana nilai sentimen minimum (paling negatif) dari topik diatas adalah -7 dan -6, sedangkan nilai maksimum (paling positif) dari topik diatas adalah +6 dan +3. Rataan yang negatif juga menunjukkan bahwa tweet dengan sentimen negatif memiliki total skor yang sedikit lebih banyak dibanding yang positif. Standar deviasi yang kecil menghasilkan sebaran data berupa sebaran normal yang membentunk puncak yang cukup runcing, dengan sentimen netral (0) sebagai mode/modus.