# Prepared\_data

January 10, 2019

# Drop nulls and merge labeled DataSets

```
In [1]: import pandas as pd
        import numpy as np
        import matplotlib.pyplot as plt
        from bs4 import BeautifulSoup
        import re
```

Out [4]:

0

```
1.1 First DataSet
In [2]: #Here we upload the users and the extract tweets to our DataFrame
        cols = ['','Tweets','Name','Sentiment','']
        dataset = pd.read_excel("CLEANED_DATASET_1_Labeled.xlsx",header=None, names=cols, encode
        dataset.head()
Out[2]:
                Tweets
                               Name Sentiment
        0 NaN Tweets
                               Name Sentiment NaN
        1 0.0 tweets
                               Name
                                           NaN NaN
        2 1.0
                   NaN AkincilarCW
                                             0 NaN
        3 2.0
                   NaN AkincilarCW
                                             0 NaN
        4 3.0
                  NaN AkincilarCW
                                             0 NaN
In [3]: # Drop the columns that we don't need
        dataset.drop(['',''],axis=1,inplace=True)
        dataset[dataset.Tweets == 0].head(5)
Out[3]: Empty DataFrame
        Columns: [Tweets, Name, Sentiment]
        Index: []
In [4]: #dealing with missing data
        sufficientcolumns = dataset.isnull().sum() < 2</pre>
        df = dataset.loc[:, sufficientcolumns] # keep only columns that have less than 2 missi
        df = dataset.drop(dataset.loc[dataset['Tweets'].isnull()].index) # remove the sample t
        df.head()
```

Tweets

Tweets

Name Sentiment

Name Sentiment

```
NaN
       1
                                                      tweets
                                                                     Name
           egypt s official news agency mena website hack... AkincilarCW
                                                                                   1
       7
           middle east news agency the state news agency ... AkincilarCW
                                                                                   1
        11 t rk hackerlar m s r resmi haber ajans n n sit... AkincilarCW
                                                                                   0
In [5]: dataset1 = df.ix[2:]
/opt/jupyterhub/anaconda/lib/python3.6/site-packages/ipykernel_launcher.py:1: DeprecationWarni:
.ix is deprecated. Please use
.loc for label based indexing or
.iloc for positional indexing
See the documentation here:
http://pandas.pydata.org/pandas-docs/stable/indexing.html#ix-indexer-is-deprecated
  """Entry point for launching an IPython kernel.
In [6]: dataset1.head()
Out[6]:
                                                      Tweets
                                                                     Name Sentiment
           egypt s official news agency mena website hack... AkincilarCW
           middle east news agency the state news agency ... AkincilarCW
                                                                                  1
       11 t rk hackerlar m s r resmi haber ajans n n sit... AkincilarCW
                                                                                  0
        12 t rk hackerlar m s r resmi haber ajans n n sit... AkincilarCW
                                                                                  0
        13 t rk hackerlar m s r resmi haber ajans n n sit... AkincilarCW
                                                                                  0
In [7]: #Here we upload the users and the extract tweets to our DataFrame
        cols = ['','Tweets','Name','Sentiment','','','','','']
       dataset2 = pd.read_excel("CLEANED_DATASET_2_Labeled.xlsx",header=None, names=cols, enc
       dataset2.head()
Out[7]:
                                                           Tweets
                                                                            Name \
       0 NaN
                                                                            Name
                                                           Tweets
       1 0.0
                                                           tweets
                                                                            Name
       2 1.0
                                            anonymousawake links
                                                                  jacobwolf420_x
        3 2.0
                                                                  jacobwolf420_x
                                                           ofc v
        4 3.0 kangna ranaut timesofindia idk so confused is ...
                                                                  jacobwolf420_x
          Sentiment
       0
          Sentiment NaN Related to hacking: 1 NaN NaN NaN NaN
       1
                                      Other: O NaN NaN NaN NaN
                NaN NaN
       2
                   1 NaN
                                           NaN NaN NaN NaN
        3
                  0 NaN
                                           Nan Nan Nan Nan
                  0 NaN
                                           NaN NaN NaN NaN
In [8]: # Drop the columns that we don't need
       dataset2.drop(['','','','','',''],axis=1,inplace=True)
```

dataset2[dataset2.Tweets == 0].head(5)

```
Out[8]: Empty DataFrame
        Columns: [Tweets, Name, Sentiment]
        Index: []
In [9]: #dealing with missing data
        sufficientcolumns = df_1.isnull().sum() < 2</pre>
        df = dataset2.loc[:, sufficientcolumns] # keep only columns that have less than 2 miss
        df = dataset2.drop(dataset2.loc[dataset2['Tweets'].isnull()].index) # remove the sampl
        df.head()
        NameError
                                                  Traceback (most recent call last)
        <ipython-input-9-0112601c9730> in <module>
          1 #dealing with missing data
    ---> 2 sufficientcolumns = df_1.isnull().sum() < 2
          3 df = dataset2.loc[:, sufficientcolumns] # keep only columns that have less than 2 m
          4 df = dataset2.drop(dataset2.loc[dataset2['Tweets'].isnull()].index) # remove the same
          5 df.head()
        NameError: name 'df_1' is not defined
In [10]: dataset2=df.ix[2:]
/opt/jupyterhub/anaconda/lib/python3.6/site-packages/ipykernel_launcher.py:1: DeprecationWarni:
.ix is deprecated. Please use
.loc for label based indexing or
.iloc for positional indexing
See the documentation here:
http://pandas.pydata.org/pandas-docs/stable/indexing.html#ix-indexer-is-deprecated
  """Entry point for launching an IPython kernel.
In [11]: dataset2.head()
Out[11]:
                                                                        Name Sentiment
                                                        Tweets
             egypt s official news agency mena website hack... AkincilarCW
            middle east news agency the state news agency ... AkincilarCW
                                                                                     1
         11 t rk hackerlar m s r resmi haber ajans n n sit... AkincilarCW
                                                                                     0
         12 t rk hackerlar m s r resmi haber ajans n n sit... AkincilarCW
                                                                                     0
         13 t rk hackerlar m s r resmi haber ajans n n sit...
                                                                                     0
                                                                AkincilarCW
In [12]: Full_dataset = [dataset1,dataset2]
         DataSet = pd.concat(Full_dataset)
```

DataSet.head()

```
Out[12]:
                                                                        Name Sentiment
                                                         Tweets
         5
             egypt s official news agency mena website hack...
                                                                 AkincilarCW
         7
             middle east news agency the state news agency ...
                                                                 AkincilarCW
         11 t rk hackerlar m s r resmi haber ajans n n sit...
                                                                 AkincilarCW
         12 t rk hackerlar m s r resmi haber ajans n n sit...
                                                                 AkincilarCW
         13 t rk hackerlar m s r resmi haber ajans n n sit...
                                                                 AkincilarCW
In [13]: DataSet.info()
<class 'pandas.core.frame.DataFrame'>
Int64Index: 10208 entries, 5 to 5221
Data columns (total 3 columns):
Tweets
             10208 non-null object
             10208 non-null object
Name
Sentiment
             10204 non-null object
dtypes: object(3)
memory usage: 319.0+ KB
   Cleaned Labeled Dataset
In [14]: DataSet.to_csv('Labeled_Dataset.csv',encoding='utf-8')
         csv = 'Labeled_Dataset.csv'
         my_df = pd.read_csv(csv,index_col=0)
         my_df
Out[14]:
                                                           Tweets
                                                                           Name \
                                                                    AkincilarCW
         5
               egypt s official news agency mena website hack...
         7
               middle east news agency the state news agency ...
                                                                    AkincilarCW
               t rk hackerlar m s r resmi haber ajans n n sit...
                                                                    AkincilarCW
               t rk hackerlar m s r resmi haber ajans n n sit...
         12
                                                                    AkincilarCW
         13
               t rk hackerlar m s r resmi haber ajans n n sit...
                                                                    AkincilarCW
         14
               t rk hackerlar m s r resmi ajans n n sitesini ...
                                                                    AkincilarCW
         15
               t rk hackerlar m s r resmi haber ajans n n sit...
                                                                    AkincilarCW
         16
               t rk hacker grubu cyberwarriortim taraf ndan m...
                                                                    AkincilarCW
         17
               kurban bayram n n lkemize ve milletimize huzur...
                                                                    AkincilarCW
         18
               kendilerini k rdish hackers olarak tan mlayan ...
                                                                    AkincilarCW
               bu lkede vatanseverler alimler hatipler as 1 p...
         19
                                                                    AkincilarCW
         20
               haziran tarihinde irak kuzeyi kandil b lgesine...
                                                                    AkincilarCW
         21
               cyberwarriortim akincilar ter r rg t pkk opera...
                                                                    AkincilarCW
         22
                cyberwarriortim oku ren payla kitap seferberli i
                                                                    AkincilarCW
         23
               ba ta aziz ehitlerimizi rahmetle gazilerimizi ...
                                                                    AkincilarCW
```

1

1

0

0

0

AkincilarCW

AkincilarCW

AkincilarCW

AkincilarCW

AkincilarCW

AkincilarCW

ak nc lar hacker grubu dirili postas na konu t...

selam naleyk m fsm hastanesinde yatan dedem i ...

lg n t rkler akincilar

avrupa da g ndem akincilar

t rk hackerler yunan ld rtt

yunanistan n g ndemi akincilar

24

25

26

27

28

29

```
30
      siirt eruh da icra edilen hava destekli operas...
                                                           AkincilarCW
31
      alt yap al malar m z tamamlanarak web sitemize...
                                                           AkincilarCW
32
      ile saatleri aras nda cyberwarriortim sunucula...
                                                           AkincilarCW
33
      mesele onlar i in milli birlik ve beraberlik d...
                                                           AkincilarCW
      erdo an bah eli destici k l daro lu karamollao...
34
                                                           AkincilarCW
      temmuz ha n darbe giri imini yapan nsanlar m z...
35
                                                           AkincilarCW
36
      temmuz hain darbe giri imini yapan insanlar m ...
                                                           AkincilarCW
37
                               akincilar ypg operasyonu
                                                           AkincilarCW
      vatan sevgisini s z nde de il z nde ya ayan pl...
38
                                                           AkincilarCW
. . .
5192
      islamic state warns of black days for saudi ar...
                                                          IzzahHackers
      labienustitus anonopsaudix we dont forget our ...
5193
                                                          IzzahHackers
5194
        israel jails palestinians for facebook comments
                                                          IzzahHackers
5195
      rohingya muslims found on boat rescued by myan...
                                                          IzzahHackers
5196
      rohingya muslims found on boat rescued by myan...
                                                          IzzahHackers
      mass graves found in malaysia close to detenti...
5197
                                                          IzzahHackers
5198
      irfan death of humanity burma says muslims not...
                                                          IzzahHackers
                                                          IzzahHackers
5199
      while syrian rebels fight hezbollah assad in e...
5200
      just out of curiosity have hezbollah ever even...
                                                          IzzahHackers
5201
      richard clarke s on iraq we destroyed iraq dae...
                                                          IzzahHackers
5202
      day you know as whole the world is albeit slow...
                                                          IzzahHackers
5203
      fox news cnn on the right wing deceivers and p...
                                                          IzzahHackers
      presstv iranian government influenced media ru...
                                                          IzzahHackers
5205
      saudi regime involved in attack on qatif mosqu...
                                                          IzzahHackers
5206
      saudi regime involved in attack on qatif mosqu...
                                                          IzzahHackers
5207
      these politicians all the same everything when...
                                                          IzzahHackers
5208
      down g n ration identitaire anti muslim hate g...
                                                          IzzahHackers
5209
      breaking the senate has just passed its tpp fa...
                                                          IzzahHackers
      put israel on theunlist of serious rights viol...
5210
                                                          IzzahHackers
5211
                 walts insight thank you for the follow
                                                          IzzahHackers
5212
      opdarrienhunt anonrastaftp ted bingham susaa m...
                                                          IzzahHackers
5213
      a malcolmite the bombing of a mosque will gene...
                                                          IzzahHackers
5214
      america uk are protesting government corruptio...
                                                          IzzahHackers
5215
      they don t want to take any responsibility for...
                                                          IzzahHackers
      then the nd gulf war happened and al gaida in ...
5216
                                                          IzzahHackers
5217
      al qaida was created after the st gulf war in ...
                                                          IzzahHackers
5218 the media who care a lot more about ratings an...
                                                          IzzahHackers
5219
      us and nato occupations interventions led to t...
                                                          IzzahHackers
      the video next is tough to watch but it s a mu...
5220
                                                          IzzahHackers
5221 months before isis was even formed reports of ...
                                                          IzzahHackers
```

# Sentiment

5	1
7	1
11	0
12	0
13	0
14	0

15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38	
5192 5193 5194 5195 5196 5197 5198 5199 5200 5201 5202 5203 5204 5205 5206 5207 5208	
5209 5210 5211 5212 5213 5214	0 1 0 0 0

```
      5215
      0

      5216
      0

      5217
      0

      5218
      0

      5219
      0

      5220
      0

      5221
      1
```

[10208 rows x 3 columns]

# In [15]: my\_df.info()

dtypes: object(3)

memory usage: 319.0+ KB

```
In [19]: Filter1 = my_df[my_df['Name']=='AkincilarCW']
```

## In [22]: Filter1

Out[22]:		Tweets	Name	Sentiment
	5	egypt s official news agency mena website hack	${\tt AkincilarCW}$	1
	7	middle east news agency the state news agency $\dots$	${\tt AkincilarCW}$	1
	11	t rk hackerlar m s r resmi haber ajans n n sit	${\tt AkincilarCW}$	0
	12	t rk hackerlar m s r resmi haber ajans n n sit	${\tt AkincilarCW}$	0
	13	t rk hackerlar m s r resmi haber ajans n n sit	${\tt AkincilarCW}$	0
	14	t rk hackerlar m s r resmi ajans n n sitesini	${\tt AkincilarCW}$	0
	15	t rk hackerlar m s r resmi haber ajans n n sit	${\tt AkincilarCW}$	0
	16	t rk hacker grubu cyberwarriortim taraf ndan m $\dots$	${\tt AkincilarCW}$	0
	17	kurban bayram n n lkemize ve milletimize huzur	${\tt AkincilarCW}$	0
	18	kendilerini k rdish hackers olarak tan mlayan $\dots$	${\tt AkincilarCW}$	0
	19	bu lkede vatanseverler alimler hatipler as 1 p	${\tt AkincilarCW}$	0
	20	haziran tarihinde irak kuzeyi kandil b lgesine	${\tt AkincilarCW}$	0
	21	cyberwarriortim akincilar ter r rg t pkk opera	${\tt AkincilarCW}$	0
	22	cyberwarriortim oku ren payla kitap seferberli i	${\tt AkincilarCW}$	0
	23	ba ta aziz ehitlerimizi rahmetle gazilerimizi	${\tt AkincilarCW}$	0
	24	ak nc lar hacker grubu dirili postas na konu t	${\tt AkincilarCW}$	0
	25	selam naleyk m fsm hastanesinde yatan dedem i $\dots$	${\tt AkincilarCW}$	0
	26	lg n t rkler akincilar	${\tt AkincilarCW}$	0
	27	avrupa da g ndem akincilar	${\tt AkincilarCW}$	0
	28	t rk hackerler yunan ld rtt	${\tt AkincilarCW}$	0
	29	yunanistan n g ndemi akincilar	${\tt AkincilarCW}$	0
	30	siirt eruh da icra edilen hava destekli operas	${\tt AkincilarCW}$	0

```
alt yap al malar m z tamamlanarak web sitemize...
         31
                                                                   AkincilarCW
                                                                                        0
         32
              ile saatleri aras nda cyberwarriortim sunucula...
                                                                   AkincilarCW
                                                                                        0
         33
              mesele onlar i in milli birlik ve beraberlik d...
                                                                                        0
                                                                   AkincilarCW
         34
              erdo an bah eli destici k l daro lu karamollao...
                                                                   AkincilarCW
                                                                                        0
         35
              temmuz ha n darbe giri imini yapan nsanlar m z...
                                                                   AkincilarCW
                                                                                        0
              temmuz hain darbe giri imini yapan insanlar m ...
         36
                                                                   AkincilarCW
                                                                                        0
         37
                                        akincilar ypg operasyonu
                                                                   AkincilarCW
                                                                                        0
         38
              vatan sevgisini s z nde de il z nde ya ayan pl...
                                                                   AkincilarCW
                                                                                        0
              sabah b nyeniz de mevl t tezel denen m ptezeli...
                                                                   AkincilarCW
         170
                                                                                        0
         171
                   akinsaglamas whatsapp tan konum yollar m s n
                                                                                        0
                                                                   AkincilarCW
         172
                 ruhu ad mekan cennet olsun ekimd nyakarizmag n
                                                                   AkincilarCW
                                                                                        0
         173
                    hay rl cumalar allah dualar n z kabul etsin
                                                                                        0
                                                                   AkincilarCW
         174
              aydinerol ilyassalmanfan mervepekdemirrr melih...
                                                                   AkincilarCW
                                                                                        0
         175
              ilyassalmanfan mervepekdemirrr melihgokcek do ...
                                                                   AkincilarCW
                                                                                        0
         176
                            basaranalper maalesef sa malam s n z
                                                                                        0
                                                                   AkincilarCW
         177
              defacerdarkbat tebrikler yi idim ama a g z n u...
                                                                                        0
                                                                   AkincilarCW
              ki ili ini makam ndan alanlar makamdan sonra k...
                                                                                        0
         178
                                                                   AkincilarCW
              b t n demo ullar g nahk rd r g nahk rlar n en ...
         179
                                                                   AkincilarCW
                                                                                        0
              tarikkbjk ufukcc bu bikini givip s z n n eri o...
                                                                                        0
         180
                                                                   AkincilarCW
              kwonmusti tarikkbjk ufukcc elem tere fi kem g ...
                                                                   AkincilarCW
                                                                                        0
         182
              tarikkbjk sercanarga bazen tehlikeli seyler ya...
                                                                   AkincilarCW
                                                                                        0
         183
              sercanarga ma i in de il fenerbah e i in tarik...
                                                                   AkincilarCW
                                                                                        0
         184
                                 sercanarga en son la geliyordum
                                                                   AkincilarCW
                                                                                        0
         185
              ufukcc tarikkbjk kwonmusti daha ge en hafta nc...
                                                                                        0
                                                                   AkincilarCW
         186
                         tarikkbjk kwonmusti ufukcc bak bu oldu
                                                                                        0
                                                                   AkincilarCW
                                                                                        0
              kwonmusti ufukcc tarikkbjk bi daha da trabzon ...
                                                                   AkincilarCW
         187
         188
              ufukcc kwonmusti tarikkbjk bir fenerli ma m z ...
                                                                   AkincilarCW
                                                                                        0
              ufukcc kwonmusti tarikkbjk ta sessiz sedas z a...
                                                                   AkincilarCW
                                                                                        0
              kwonmusti ak am fener de b yle hezimete u ruyo...
                                                                                        0
                                                                   AkincilarCW
         191
                                                                                        0
                    kwonmusti oldu allah n seven defansa gelsin
                                                                   AkincilarCW
         192
                                          kwonmusti m stehak abi
                                                                   AkincilarCW
                                                                                        0
         193
                                        cwlazmania daha bu ne ki
                                                                   AkincilarCW
                                                                                        0
         194
                                                                                        0
                          ebubekir gereksizin biri medya maymunu
                                                                   AkincilarCW
         195
              mazlumun umudu zalimin korkulu r yas tsk dlib ...
                                                                                        0
                                                                   AkincilarCW
         196
                                   d nyahayat n nger e i l m var
                                                                   AkincilarCW
                                                                                        0
         197
              ufukcc tarikkbjk negredo nun gole ula mas na s...
                                                                   AkincilarCW
                                                                                        0
              yildirim ankara n n ba kent ilan edili inin y ...
                                                                                        0
         198
                                                                   AkincilarCW
         199
                                           cuman z m barek olsun AkincilarCW
                                                                                        0
         [380 rows x 3 columns]
In [34]: Stat1 = Filter1[Filter1['Sentiment']=='1']
In [36]: Stat2 = Filter1[Filter1['Sentiment']=='0']
In [35]: Stat1
Out [35]:
                                                                          Name Sentiment
                                                           Tweets
         5
              egypt s official news agency mena website hack... AkincilarCW
```

	7	middle east news agency the state news agency	AkincilarCW	1
	125	cyber warrior tim akincilar srail seferi intro	AkincilarCW	1
	126	so it appears the times of israel website was	AkincilarCW	1
	127	has the timesofisrael homepage been hacked thi	AkincilarCW	1
	5	egypt s official news agency mena website hack	AkincilarCW	1
	7	middle east news agency the state news agency	AkincilarCW	1
	125	cyber warrior tim akincilar srail seferi intro	AkincilarCW	1
	126	so it appears the times of israel website was	AkincilarCW	1
	127	has the timesofisrael homepage been hacked thi	${\tt AkincilarCW}$	1
In [37]:	Stat	2		
Out[37]:		Tweets	Name	Sentiment
040[07].	11	t rk hackerlar m s r resmi haber ajans n n sit	AkincilarCW	0
	12	t rk hackerlar m s r resmi haber ajans n n sit	AkincilarCW	0
	13	t rk hackerlar m s r resmi haber ajans n n sit	AkincilarCW	0
	14	t rk hackerlar m s r resmi ajans n n sitesini	AkincilarCW	0
	15	t rk hackerlar m s r resmi haber ajans n n sit	AkincilarCW	0
	16		AkincilarCW	
		t rk hacker grubu cyberwarriortim taraf ndan m		0
	17	kurban bayram n n lkemize ve milletimize huzur	AkincilarCW	0
	18	kendilerini k rdish hackers olarak tan mlayan	AkincilarCW	0
	19	bu lkede vatanseverler alimler hatipler as 1 p	AkincilarCW	0
	20	haziran tarihinde irak kuzeyi kandil b lgesine	AkincilarCW	0
	21	cyberwarriortim akincilar ter r rg t pkk opera	AkincilarCW	0
	22	cyberwarriortim oku ren payla kitap seferberli i	AkincilarCW	0
	23	ba ta aziz ehitlerimizi rahmetle gazilerimizi	AkincilarCW	0
	24	ak nc lar hacker grubu dirili postas na konu t	AkincilarCW	0
	25	selam naleyk m fsm hastanesinde yatan dedem i	AkincilarCW	0
	26	lg n t rkler akincilar	AkincilarCW	0
	27	avrupa da g ndem akincilar	AkincilarCW	0
	28	t rk hackerler yunan ld rtt	AkincilarCW	0
	29	yunanistan n g ndemi akincilar	${\tt AkincilarCW}$	0
	30	siirt eruh da icra edilen hava destekli operas	${\tt AkincilarCW}$	0
	31	alt yap al malar m z tamamlanarak web sitemize	${\tt AkincilarCW}$	0
	32	ile saatleri aras nda cyberwarriortim sunucula	${\tt AkincilarCW}$	0
	33	mesele onlar i in milli birlik ve beraberlik d $\dots$	AkincilarCW	0
	34	erdo an bah eli destici k l daro lu karamollao	AkincilarCW	0
	35	temmuz ha n darbe giri imini yapan nsanlar m z	AkincilarCW	0
	36	temmuz hain darbe giri imini yapan insanlar m	AkincilarCW	0
	37	akincilar ypg operasyonu	AkincilarCW	0
	38	vatan sevgisini s z nde de il z nde ya ayan pl	AkincilarCW	0
	39	rt kirmizicehreli ypg resmi websitesi a cyberw	AkincilarCW	0
	40	ter r rg t ypg operasyonu	AkincilarCW	0
	170	sabah b nyeniz de mevl t tezel denen m ptezeli	AkincilarCW	0
	171	akinsaglamas whatsapp tan konum yollar m s n	AkincilarCW	0
	172	ruhu ad mekan cennet olsun ekimd nyakarizmag n	AkincilarCW	0
	173	hay rl cumalar allah dualar n z kabul etsin	AkincilarCW	0
		·		

```
aydinerol ilyassalmanfan mervepekdemirrr melih...
                                                                              0
174
                                                          AkincilarCW
175
     ilyassalmanfan mervepekdemirrr melihgokcek do ...
                                                          AkincilarCW
                                                                              0
176
                  basaranalper maalesef sa malam s n z
                                                                              0
                                                         AkincilarCW
177
     defacerdarkbat tebrikler yi idim ama a g z n u...
                                                                              0
                                                          AkincilarCW
    ki ili ini makam ndan alanlar makamdan sonra k...
178
                                                          AkincilarCW
                                                                              0
     b t n demo ullar g nahk rd r g nahk rlar n en ...
                                                          AkincilarCW
                                                                              0
     tarikkbjk ufukcc bu bikini giyip s z n n eri o...
                                                          AkincilarCW
                                                                              0
181
     kwonmusti tarikkbjk ufukcc elem tere fi kem g ...
                                                          AkincilarCW
                                                                              0
     tarikkbjk sercanarga bazen tehlikeli seyler ya...
182
                                                          AkincilarCW
                                                                              0
183
     sercanarga ma i in de il fenerbah e i in tarik...
                                                          AkincilarCW
                                                                              0
184
                       sercanarga en son la geliyordum
                                                                              0
                                                         AkincilarCW
    ufukcc tarikkbjk kwonmusti daha ge en hafta nc...
185
                                                          AkincilarCW
                                                                              0
                                                                              0
186
                tarikkbjk kwonmusti ufukcc bak bu oldu
                                                          AkincilarCW
     kwonmusti ufukcc tarikkbjk bi daha da trabzon ...
187
                                                          AkincilarCW
                                                                              0
188
     ufukcc kwonmusti tarikkbjk bir fenerli ma m z ...
                                                          AkincilarCW
                                                                              0
     ufukcc kwonmusti tarikkbjk ta sessiz sedas z a...
                                                                              0
189
                                                          AkincilarCW
190
     kwonmusti ak am fener de b yle hezimete u ruyo...
                                                          AkincilarCW
                                                                              0
191
           kwonmusti oldu allah n seven defansa gelsin
                                                                              0
                                                         AkincilarCW
192
                                 kwonmusti m stehak abi
                                                                              0
                                                          AkincilarCW
193
                               cwlazmania daha bu ne ki
                                                          AkincilarCW
                                                                              0
194
                ebubekir gereksizin biri medya maymunu
                                                          AkincilarCW
                                                                              0
     mazlumun umudu zalimin korkulu r yas tsk dlib ...
195
                                                          AkincilarCW
                                                                              0
196
                         d nyahayat n nger e i l m var
                                                          AkincilarCW
                                                                              0
197
     ufukcc tarikkbjk negredo nun gole ula mas na s...
                                                          AkincilarCW
                                                                              0
198
     yildirim ankara n n ba kent ilan edili inin y ...
                                                          AkincilarCW
                                                                              0
199
                                  cuman z m barek olsun AkincilarCW
                                                                              0
```

#### [370 rows x 3 columns]

```
In [41]: Value1=Stat1.count()
```

In [42]: Porcen = Value1/370

In [49]: print( (Value1['Sentiment']/370)\*100)

### 2.7027027027027026