

MAIN-excel

December 4, 2018

```
In [6]: # General:
import tweepy                # To consume Twitter's API
import pandas as pd          # To handle data
import numpy as np           # For number computing
import json

# For plotting and visualization:
from IPython.display import display
import matplotlib.pyplot as plt
import seaborn as sns
%matplotlib inline

# Twitter App access keys for @user

# Consume:
CONSUMER_KEY = "nui9d52bUoGa1tZBvvy4HGxTl"
CONSUMER_SECRET = "qTJ5W8EX2b2eFvKtSw80wIw714Hs9rXpUsb0RVwiGxAbyS4cni"

# Access:
ACCESS_TOKEN = "1034084192936763393-FFXRmlq3PaoBWjjCdA7GLep9kEIJd8"
ACCESS_TOKEN_SECRET = "tQvaBmXK0qlS2GSaxB7cLWneAVieYeomxN3ED8KrOp1b1"

#-----Excell extract-----
archivo_excel = pd.read_excel('Twitter_accounts_with_IDs2.xlsx')
#print(archivo_excel.columns)
values = archivo_excel['Twitter accounts'].values
#print(type(values))
columnas = ['Twitter accounts']
df_seleccionados = archivo_excel[columnas]
username=values
#print(df_seleccionados[columnas])

#-----Authentication function-----
def twitter_setup():
    """
    Utility function to setup the Twitter's API
    with our access keys provided.
    """
```

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# Authentication and access using keys:
auth = tweepy.OAuthHandler(CONSUMER_KEY, CONSUMER_SECRET)
auth.set_access_token(ACCESS_TOKEN, ACCESS_TOKEN_SECRET)

# Return API with authentication:
api = tweepy.API(auth)
return api

#-----Tweets Mining-----
result = pd.DataFrame()
#display(result)
while True:
    try:
        file = open("Tweets_file.txt", "w")
        for username in username:
            print("The user name is:")
            print(username)
# We create an extractor object:
        extractor = twitter_setup()

# We create a tweet list as follows:
        tweets = extractor.user_timeline(screen_name=username , count=3000)
        #print("Number of tweets extracted: {}".format(len(tweets)))

# We print the most recent 5 tweets:
        file.write(str(username+"\n"))
        for tweet in tweets[0:-1]:
            file.write(str(tweet.created_at))
            file.write(tweet.author.screen_name)
            file.write(tweet.text)
            #file.write(tweet.text)
            #print(tweet.text)
            #print()

# We create a pandas dataframe as follows:
        data = pd.DataFrame(data=[tweet.text for tweet in tweets], columns=['Tweet'])

# We add relevant data:
        data['Name'] = np.array([tweet.user.screen_name for tweet in tweets])
        data['Length'] = np.array([len(tweet.text) for tweet in tweets])
        data['ID'] = np.array([tweet.id for tweet in tweets])
        data['Date'] = np.array([tweet.created_at for tweet in tweets])
        data['Source'] = np.array([tweet.source for tweet in tweets])
        data['Likes'] = np.array([tweet.favorite_count for tweet in tweets])
        data['RTs'] = np.array([tweet.retweet_count for tweet in tweets])

# Display elements from dataframe:
        display(data)

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        #print("merge")

        result = result.append(data,ignore_index=True)
        #display(result)

    except tweepy.TweepError:
        print("Failed to run the command on that user, Skipping...")
        print("User's profile in a private mode, imposible extract tweets")
        break

from pandas import ExcelWriter

writer = pd.ExcelWriter('output2.xlsx', engine='xlsxwriter')
data.to_excel(writer,'Sheet1')
writer.save()

```

The user name is:

@Anon_Norway

| | Tweets | Name | Length | \ |
|----|---|-------------|--------|---|
| 0 | RT @RayJoha2: Finally! I can now satisfy my te... | Anon_Norway | 140 | |
| 1 | RT @RayJoha2: Saudi Arabia has an extensive hi... | Anon_Norway | 140 | |
| 2 | RT @mydataorg: Just two days until the importa... | Anon_Norway | 140 | |
| 3 | RT @BarrettBrown_: Today a man threatened to b... | Anon_Norway | 140 | |
| 4 | RT @svaar: FpU ikke overbegeistret for overvåk... | Anon_Norway | 135 | |
| 5 | RT @attackerman: I'm going to tweetstorm about... | Anon_Norway | 139 | |
| 6 | RT @RayJoha2: "Check yourself next time you ac... | Anon_Norway | 140 | |
| 7 | RT @UptheCypherPunx: Today is #RemembranceDay ... | Anon_Norway | 140 | |
| 8 | RT @RayJoha2: I just sorta bought 'The Fox' by... | Anon_Norway | 144 | |
| 9 | RT @BarrettBrown_: Ill be speaking via videoc... | Anon_Norway | 140 | |
| 10 | RT @BarrettBrown_: Im pleased to announce tha... | Anon_Norway | 140 | |
| 11 | RT @BarrettBrown_: Pursuances director of ope... | Anon_Norway | 140 | |
| 12 | RT @AnnaBurkhart: Cops kettling and arresting ... | Anon_Norway | 99 | |
| 13 | RT @welltraveledfox: This person was Trevor Fi... | Anon_Norway | 140 | |
| 14 | RT @RayJoha2: "MI5 spied on @privacyint and st... | Anon_Norway | 139 | |
| 15 | RT @AnnaBurkhart: took me 20 minutes to reach ... | Anon_Norway | 140 | |
| 16 | RT @aka_Gb: Non dimentichiamo!\n ... | Anon_Norway | 109 | |
| 17 | RT @PPInternational: NOTICE: #PPInt General As... | Anon_Norway | 140 | |
| 18 | RT @trevortimm: Revealed for the first time: W... | Anon_Norway | 140 | |
| 19 | RT @RayJoha2: #FindArjen UPDATE\n\n- The searc... | Anon_Norway | 140 | |
| 20 | RT @RayJoha2: Noorse politie heeft drie scenar... | Anon_Norway | 117 | |
| 21 | RT @MejiaSouth: Community members shut down I-... | Anon_Norway | 140 | |
| 22 | RT @RayJoha2: "There are a number of facts wel... | Anon_Norway | 140 | |
| 23 | RT @Matthijs85: "Er zijn een aantal feiten bek... | Anon_Norway | 140 | |

| | | | |
|-----|---|-------------|-----|
| 24 | RT @BarrettBrown_: When I was facing a mandato... | Anon_Norway | 140 |
| 25 | RT @ncilla: #FindArjen update; Confirmation to... | Anon_Norway | 140 |
| 26 | RT @RayJoha2: Horrific news of a cataclysmic n... | Anon_Norway | 140 |
| 27 | RT @RayJoha2: Showdown on upload filters and t... | Anon_Norway | 140 |
| 28 | RT @StigSjoeberg: #findarjen Press release - S... | Anon_Norway | 118 |
| 29 | RT @RayJoha2: -Free women dethrone mullahs \n... | Anon_Norway | 110 |
| .. | ... | ... | ... |
| 168 | RT @freeBogatov: VICTORY!\nBogatovs attorney ... | Anon_Norway | 139 |
| 169 | RT @PursuanceProj: Gathering at #PursuanceHous... | Anon_Norway | 140 |
| 170 | RT @birgittaj: I spent a few days with the peo... | Anon_Norway | 140 |
| 171 | RT @raif_badawi: #RaifBadawi the Honorary citi... | Anon_Norway | 93 |
| 172 | RT @bjwinnerdavis: Please share and retweet. W... | Anon_Norway | 140 |
| 173 | After World War II, the US and its allies pros... | Anon_Norway | 140 |
| 174 | An interested-in-Pursuance Windows user spun u... | Anon_Norway | 140 |
| 175 | Nearly half (48 percent) of Israeli Jews now s... | Anon_Norway | 140 |
| 176 | RT @BarrettBrown_: DOJ just granted me permiss... | Anon_Norway | 140 |
| 177 | "Kill one thousand of us and 10 thousand more ... | Anon_Norway | 140 |
| 178 | Today the most wonderful thing happened. Out o... | Anon_Norway | 140 |
| 179 | "We'll never have a free world without a free ... | Anon_Norway | 140 |
| 180 | RT @tvaddonsco: Despite an overwhelming amount... | Anon_Norway | 139 |
| 181 | MPAA-Seized Popcorn Time Domain Now Redirects ... | Anon_Norway | 84 |
| 182 | RT @UptheCypherPunx: Good news on #WorldPressF... | Anon_Norway | 140 |
| 183 | New @intercepted podcast: War Games https://t.... | Anon_Norway | 59 |
| 184 | RT @RayJoha2: THREAD! Important 2 part article... | Anon_Norway | 139 |
| 185 | RT @micahflee: For the last two years I've car... | Anon_Norway | 140 |
| 186 | At @theindignants podcast today: The #TorontoA... | Anon_Norway | 140 |
| 187 | RT @PursuanceProj: THREAD!\n\n UPDATE: Pursua... | Anon_Norway | 104 |
| 188 | Aussie Federal Court Orders ISPs to Block Pira... | Anon_Norway | 85 |
| 189 | How U.S. guns sold to Mexico end up with secur... | Anon_Norway | 133 |
| 190 | See you in court, BOP! There are a few more ru... | Anon_Norway | 120 |
| 191 | MPAA Chief Says Fighting Piracy Remains Top P... | Anon_Norway | 78 |
| 192 | RT @UptheCypherPunx: The last thing Alek Minas... | Anon_Norway | 140 |
| 193 | RT @UptheCypherPunx: Please share: If you are ... | Anon_Norway | 139 |
| 194 | RT @DaPeople: #WEDAFiles "Solidarity for Real... | Anon_Norway | 140 |
| 195 | RT @UptheCypherPunx: Very excited to be joinin... | Anon_Norway | 140 |
| 196 | Im truly stoked and looking forward to meeting... | Anon_Norway | 140 |
| 197 | Led by El Pais and Hamilton 68, a series of de... | Anon_Norway | 140 |

| | ID | Date | Source | Likes | RTs |
|---|---------------------|---------------------|-----------|-------|-----|
| 0 | 1063020155964452865 | 2018-11-15 10:45:29 | TweetDeck | 0 | 3 |
| 1 | 1062997613220429825 | 2018-11-15 09:15:55 | TweetDeck | 0 | 30 |
| 2 | 1062688720627924993 | 2018-11-14 12:48:29 | TweetDeck | 0 | 23 |
| 3 | 1062585415356563457 | 2018-11-14 05:57:59 | TweetDeck | 0 | 326 |
| 4 | 1062485266412249088 | 2018-11-13 23:20:02 | TweetDeck | 0 | 3 |
| 5 | 1062452962168053761 | 2018-11-13 21:11:40 | TweetDeck | 0 | 54 |
| 6 | 1061699842299383808 | 2018-11-11 19:19:02 | TweetDeck | 0 | 9 |
| 7 | 1061616300756230145 | 2018-11-11 13:47:04 | TweetDeck | 0 | 33 |
| 8 | 1050481539102969857 | 2018-10-11 20:21:30 | TweetDeck | 0 | 4 |

| | | | | | | |
|-----|---------------------|------------|----------|-----------|-----|------|
| 9 | 1050174604675870725 | 2018-10-11 | 00:01:51 | TweetDeck | 0 | 16 |
| 10 | 1049324558967345152 | 2018-10-08 | 15:44:05 | TweetDeck | 0 | 80 |
| 11 | 1047951101029470209 | 2018-10-04 | 20:46:27 | TweetDeck | 0 | 18 |
| 12 | 1047937561338019842 | 2018-10-04 | 19:52:39 | TweetDeck | 0 | 85 |
| 13 | 1045783480926437377 | 2018-09-28 | 21:13:06 | TweetDeck | 0 | 17 |
| 14 | 1044604065001476096 | 2018-09-25 | 15:06:31 | TweetDeck | 0 | 8 |
| 15 | 1041837542469971970 | 2018-09-17 | 23:53:21 | TweetDeck | 0 | 25 |
| 16 | 1041834876251660295 | 2018-09-17 | 23:42:45 | TweetDeck | 0 | 31 |
| 17 | 1041832507895963649 | 2018-09-17 | 23:33:20 | TweetDeck | 0 | 9 |
| 18 | 1041744510026436608 | 2018-09-17 | 17:43:40 | TweetDeck | 0 | 507 |
| 19 | 1041645619272671232 | 2018-09-17 | 11:10:43 | TweetDeck | 0 | 48 |
| 20 | 1041112844593496064 | 2018-09-15 | 23:53:39 | TweetDeck | 0 | 5 |
| 21 | 1041059597363150848 | 2018-09-15 | 20:22:04 | TweetDeck | 0 | 1154 |
| 22 | 1040558639361261568 | 2018-09-14 | 11:11:26 | TweetDeck | 0 | 4 |
| 23 | 1040558597506260992 | 2018-09-14 | 11:11:16 | TweetDeck | 0 | 11 |
| 24 | 1039997113701199872 | 2018-09-12 | 22:00:08 | TweetDeck | 0 | 26 |
| 25 | 1039898624417832960 | 2018-09-12 | 15:28:47 | TweetDeck | 0 | 29 |
| 26 | 1039859345884893185 | 2018-09-12 | 12:52:42 | TweetDeck | 0 | 49 |
| 27 | 1039214363717066753 | 2018-09-10 | 18:09:46 | TweetDeck | 0 | 6 |
| 28 | 1039169784175321088 | 2018-09-10 | 15:12:38 | TweetDeck | 0 | 9 |
| 29 | 1037106596847996928 | 2018-09-04 | 22:34:15 | TweetDeck | 0 | 23 |
| .. | ... | ... | ... | ... | ... | ... |
| 168 | 998715104312070145 | 2018-05-22 | 00:00:10 | TweetDeck | 0 | 77 |
| 169 | 998668583667412993 | 2018-05-21 | 20:55:19 | TweetDeck | 0 | 18 |
| 170 | 998641418221621248 | 2018-05-21 | 19:07:22 | TweetDeck | 0 | 31 |
| 171 | 996509556703465472 | 2018-05-15 | 21:56:07 | TweetDeck | 0 | 77 |
| 172 | 994351973808918534 | 2018-05-09 | 23:02:39 | TweetDeck | 0 | 66 |
| 173 | 994255643640025088 | 2018-05-09 | 16:39:52 | TweetDeck | 0 | 0 |
| 174 | 992897112038891520 | 2018-05-05 | 22:41:33 | TweetDeck | 0 | 0 |
| 175 | 992770105393246208 | 2018-05-05 | 14:16:52 | TweetDeck | 0 | 1 |
| 176 | 992747941914988544 | 2018-05-05 | 12:48:48 | TweetDeck | 0 | 71 |
| 177 | 992554388068683783 | 2018-05-04 | 23:59:41 | TweetDeck | 0 | 0 |
| 178 | 992524081454084096 | 2018-05-04 | 21:59:15 | TweetDeck | 0 | 0 |
| 179 | 992123644498399234 | 2018-05-03 | 19:28:04 | TweetDeck | 4 | 1 |
| 180 | 992103542927319046 | 2018-05-03 | 18:08:11 | TweetDeck | 0 | 257 |
| 181 | 992102468489302016 | 2018-05-03 | 18:03:55 | TweetDeck | 0 | 0 |
| 182 | 992068288111882241 | 2018-05-03 | 15:48:06 | TweetDeck | 0 | 14 |
| 183 | 991643057979314176 | 2018-05-02 | 11:38:23 | TweetDeck | 0 | 0 |
| 184 | 990946873480564738 | 2018-04-30 | 13:32:00 | TweetDeck | 0 | 11 |
| 185 | 990618257223835648 | 2018-04-29 | 15:46:11 | TweetDeck | 0 | 353 |
| 186 | 989916458393178113 | 2018-04-27 | 17:17:30 | TweetDeck | 1 | 0 |
| 187 | 989830001062227969 | 2018-04-27 | 11:33:57 | TweetDeck | 0 | 18 |
| 188 | 989787026810601473 | 2018-04-27 | 08:43:11 | TweetDeck | 0 | 0 |
| 189 | 989558830571900928 | 2018-04-26 | 17:36:24 | TweetDeck | 0 | 0 |
| 190 | 989527332791693314 | 2018-04-26 | 15:31:15 | TweetDeck | 0 | 0 |
| 191 | 989470341952163840 | 2018-04-26 | 11:44:47 | TweetDeck | 0 | 0 |
| 192 | 988884759593013251 | 2018-04-24 | 20:57:53 | TweetDeck | 0 | 6 |
| 193 | 988474195985289218 | 2018-04-23 | 17:46:27 | TweetDeck | 0 | 13 |

| | | | | | |
|-----|--------------------|---------------------|-----------|---|----|
| 194 | 988138041150763008 | 2018-04-22 19:30:42 | TweetDeck | 0 | 26 |
| 195 | 988102683683905536 | 2018-04-22 17:10:12 | TweetDeck | 0 | 29 |
| 196 | 988091634452697089 | 2018-04-22 16:26:18 | TweetDeck | 2 | 1 |
| 197 | 988016859160117248 | 2018-04-22 11:29:10 | TweetDeck | 5 | 5 |

[198 rows x 8 columns]

The user name is:

@

| | | Tweets | Name | Length | \ |
|---|------------------|---|---------------|--------|---|
| 0 | @TusClasesdePort | Muy buenos videos, muy amenos... | jorge50231014 | 116 | |
| 1 | | #Happy_JK_Day | jorge50231014 | 13 | |
| 2 | | Hello Python Central! | jorge50231014 | 21 | |
| 3 | | Just setting up my Twitter. #myfirstTweet | jorge50231014 | 41 | |

| | ID | Date | Source | \ |
|---|---------------------|---------------------|---------------------------------|---|
| 0 | 1062430299664072704 | 2018-11-13 19:41:37 | Twitter for iPhone | |
| 1 | 1039872468222201866 | 2018-09-12 13:44:50 | Twitter for iPhone | |
| 2 | 1039832175867297792 | 2018-09-12 11:04:44 | Twitter Mining for correlations | |
| 3 | 1037340357825060864 | 2018-09-05 14:03:08 | Twitter Web Client | |

| | Likes | RTs |
|---|-------|-----|
| 0 | 0 | 0 |
| 1 | 2 | 0 |
| 2 | 0 | 0 |
| 3 | 1 | 1 |

The user name is:

A

| | | Tweets | Name | Length | \ |
|----|----------------------|---|------|--------|---|
| 0 | | @LauraGlu I use both. | a | 21 | |
| 1 | @CellarmakerBeer | hey guys, when is the new loc... | a | 69 | |
| 2 | | This is mind blowing.\n\nhttps://t.co/M2iNjGv8Gd | a | 46 | |
| 3 | | I lol'ed. https://t.co/F0gm9oMB1T | a | 33 | |
| 4 | @MarriottRewards | Staying at Yas Hotel Abu Dhab... | a | 140 | |
| 5 | | Alaskan elections are insane. https://t.co/y9P... | a | 53 | |
| 6 | RT @erinmcunningham: | Today the Trump administr... | a | 140 | |
| 7 | RT @chelseaperetti: | Vote like a bunch of schoo... | a | 140 | |
| 8 | RT @ianbremmer: | Congrats to Silicon Valley for... | a | 116 | |
| 9 | @deadprogrammer | Ive mostly seen rising tone (...) | a | 93 | |
| 10 | | Underrated tweet. https://t.co/0BqSfVvRtZ | a | 41 | |
| 11 | @whatjoewrote | Thank you for spelling pallet co... | a | 53 | |
| 12 | @keaneli | You just emojiied hitting yourself in ... | a | 54 | |

| | | | |
|-----|---|-----|-----|
| 13 | @keaneli @AllAnticoVinaio @AnticoVinaioaFi So,... | a | 63 |
| 14 | RT @preinheimer: Who is your households netwo... | a | 140 |
| 15 | @keaneli @AllAnticoVinaio @AnticoVinaioaFi One... | a | 101 |
| 16 | RT @keaneli: This. #KavanaughHearing https://t... | a | 60 |
| 17 | RT @AdamSerwer: The cruelty is the point. The ... | a | 140 |
| 18 | RT @nbcsnl: Now its time to hear from Judge B... | a | 111 |
| 19 | I dont feel any sympathy for Kavanaugh. At le... | a | 91 |
| 20 | @deadprogrammer Dammit, now I want beef on weck | a | 47 |
| 21 | @keaneli Sounds like my fourth day in the US. | a | 45 |
| 22 | @msswiggy Isnt it glorious? Worth an hour dri... | a | 74 |
| 23 | @tracytimonere @cathaypacific @Dulles_Airport ... | a | 75 |
| 24 | @keaneli I feel sorry for the huge pieces of ... | a | 54 |
| 25 | @keaneli Maybe try going to a stamp shop? | a | 43 |
| 26 | RT @nise_shi: ok what the fuck I landed in ame... | a | 139 |
| 27 | @msswiggy Drink alll the things. | a | 32 |
| 28 | This is insane. What have you done, Europe? ht... | a | 67 |
| 29 | @shiflett They are moving to mobile app only p... | a | 53 |
| .. | ... | ... | ... |
| 169 | @keaneli apparent from what? | a | 28 |
| 170 | @msswiggy I miss that place | a | 27 |
| 171 | RT @ButtCoin: Siberia is a lovely place for bi... | a | 113 |
| 172 | @andrew_drinks hopefully in anger | a | 33 |
| 173 | @msswiggy explain why | a | 21 |
| 174 | @keaneli @GalGadot of course you did. | a | 37 |
| 175 | @msswiggy I want to be there | a | 28 |
| 176 | RT @cbpolis: "I did try & fuck her. She wa... | a | 144 |
| 177 | RT @Pinboard: I want to hear about the heroic ... | a | 140 |
| 178 | Yep, completely right https://t.co/71zLxyYFPm | a | 45 |
| 179 | @British_Airways having trouble changing FF nu... | a | 89 |
| 180 | @msswiggy who's the guy behind you? | a | 35 |
| 181 | RT @taxiderby: Verizon: we don't plan to murde... | a | 126 |
| 182 | RT @sovietvisuals: "The life of Barbie and Ken... | a | 112 |
| 183 | RT @drob: Wow- NLP analysis discovers more tha... | a | 140 |
| 184 | RT @laurenzcollins: "Net neutrality" needs a r... | a | 140 |
| 185 | @shiflett @jperras Don't you mean "Joñl"? | a | 42 |
| 186 | @msswiggy That's my birth year | a | 30 |
| 187 | This is appalling. https://t.co/aNBulj4kMX | a | 42 |
| 188 | RT @DaveLeeBBC: https://t.co/OSzpeOMWJ9 | a | 39 |
| 189 | @keaneli You've never seen John Oliver segment... | a | 81 |
| 190 | @keaneli Where's your contribution? | a | 35 |
| 191 | @spg Thank you for excellent response to my fe... | a | 107 |
| 192 | @Pinboard Donated! | a | 18 |
| 193 | https://t.co/HompZ8PYfJ | a | 26 |
| 194 | @andrew_drinks I was just thinking the same th... | a | 95 |
| 195 | I saw that Compuserve Forums will be shutting ... | a | 118 |
| 196 | RT @FacesPics: This Jar Jar Binks plastic bag ... | a | 79 |
| 197 | RT @MikeDrucker: Please just let Weird Al be a... | a | 59 |
| 198 | @spgassist Disappointed with the treatment as ... | a | 120 |

| | ID | Date | Source | Likes | \ |
|-----|---------------------|---------------------|--------------------|-------|---|
| 0 | 1063230138115067905 | 2018-11-16 00:39:53 | Twitter Web Client | 1 | |
| 1 | 1062443113137012737 | 2018-11-13 20:32:32 | Twitter Web Client | 0 | |
| 2 | 1062069324616212485 | 2018-11-12 19:47:13 | Twitter Web Client | 4 | |
| 3 | 1062029703492632576 | 2018-11-12 17:09:47 | Twitter Web Client | 10 | |
| 4 | 1060158352376950784 | 2018-11-07 13:13:42 | Tweetbot for iS | 0 | |
| 5 | 1060033506842161152 | 2018-11-07 04:57:37 | Tweetbot for iS | 2 | |
| 6 | 1059748603676233729 | 2018-11-06 10:05:30 | Tweetbot for iS | 0 | |
| 7 | 1059499992979828736 | 2018-11-05 17:37:37 | Tweetbot for iS | 0 | |
| 8 | 1056769514954678272 | 2018-10-29 04:47:40 | Tweetbot for iS | 0 | |
| 9 | 1056201218161143808 | 2018-10-27 15:09:28 | Tweetbot for iS | 0 | |
| 10 | 1056196241837576192 | 2018-10-27 14:49:41 | Tweetbot for iS | 2 | |
| 11 | 1054005326469488641 | 2018-10-21 13:43:46 | Tweetbot for iS | 0 | |
| 12 | 1053636356310753281 | 2018-10-20 13:17:37 | Tweetbot for iS | 1 | |
| 13 | 1050985000944848896 | 2018-10-13 05:42:05 | Tweetbot for iS | 0 | |
| 14 | 1050904178464190464 | 2018-10-13 00:20:55 | Tweetbot for iS | 0 | |
| 15 | 1050901271274696704 | 2018-10-13 00:09:22 | Tweetbot for iS | 1 | |
| 16 | 1048352494026444800 | 2018-10-05 23:21:26 | Twitter Web Client | 0 | |
| 17 | 1048315537086971904 | 2018-10-05 20:54:35 | Twitter Web Client | 0 | |
| 18 | 1046495394409189376 | 2018-09-30 20:21:59 | Tweetbot for iS | 0 | |
| 19 | 1045457265891794945 | 2018-09-27 23:36:50 | Tweetbot for iS | 2 | |
| 20 | 1044754553415974913 | 2018-09-26 01:04:30 | Tweetbot for iS | 0 | |
| 21 | 1044208898842931202 | 2018-09-24 12:56:16 | Tweetbot for iS | 1 | |
| 22 | 1043833941172543496 | 2018-09-23 12:06:19 | Tweetbot for iS | 1 | |
| 23 | 1043394203542343681 | 2018-09-22 06:58:58 | Tweetbot for iS | 0 | |
| 24 | 1042078064992112642 | 2018-09-18 15:49:06 | Tweetbot for iS | 2 | |
| 25 | 1041941711469957120 | 2018-09-18 06:47:17 | Tweetbot for iS | 1 | |
| 26 | 1041695696980631552 | 2018-09-17 14:29:42 | Tweetbot for iS | 0 | |
| 27 | 1041691595131707392 | 2018-09-17 14:13:24 | Tweetbot for iS | 0 | |
| 28 | 1040583893169012742 | 2018-09-14 12:51:47 | Tweetbot for iS | 1 | |
| 29 | 1040450817172492288 | 2018-09-14 04:03:00 | Tweetbot for iS | 1 | |
| .. | ... | ... | ... | ... | |
| 169 | 941766836147941376 | 2017-12-15 20:28:05 | Tweetbot for iS | 0 | |
| 170 | 941478748326637568 | 2017-12-15 01:23:20 | Twitter Web Client | 2 | |
| 171 | 940337569912332288 | 2017-12-11 21:48:41 | Tweetbot for iS | 0 | |
| 172 | 939928512399626245 | 2017-12-10 18:43:15 | Tweetbot for iS | 0 | |
| 173 | 938957082203688961 | 2017-12-08 02:23:08 | Tweetbot for iS | 0 | |
| 174 | 938941578223202307 | 2017-12-08 01:21:31 | Tweetbot for iS | 1 | |
| 175 | 938901988485615618 | 2017-12-07 22:44:12 | Tweetbot for iS | 1 | |
| 176 | 937118970896887808 | 2017-12-03 00:39:08 | Twitter Web Client | 0 | |
| 177 | 937029308341735425 | 2017-12-02 18:42:50 | Twitter Web Client | 0 | |
| 178 | 937027726879395840 | 2017-12-02 18:36:33 | Twitter Web Client | 1 | |
| 179 | 936999311543586819 | 2017-12-02 16:43:39 | Tweetbot for iS | 0 | |
| 180 | 935611463091326981 | 2017-11-28 20:48:50 | Tweetbot for iS | 0 | |
| 181 | 935253119411376128 | 2017-11-27 21:04:54 | Tweetbot for iS | 0 | |
| 182 | 934192301504593922 | 2017-11-24 22:49:35 | Tweetbot for iS | 0 | |
| 183 | 934191564192174080 | 2017-11-24 22:46:40 | Tweetbot for iS | 0 | |

| | | | | | |
|-----|--------------------|------------|----------|--------------------|---|
| 184 | 933784491142926336 | 2017-11-23 | 19:49:06 | Twitter Web Client | 0 |
| 185 | 933487795712282624 | 2017-11-23 | 00:10:08 | Twitter Web Client | 3 |
| 186 | 933136406419001349 | 2017-11-22 | 00:53:50 | Twitter Web Client | 2 |
| 187 | 933132356856168454 | 2017-11-22 | 00:37:45 | Twitter Web Client | 3 |
| 188 | 932816820435869697 | 2017-11-21 | 03:43:55 | Twitter Web Client | 0 |
| 189 | 932808173379047427 | 2017-11-21 | 03:09:33 | Twitter Web Client | 0 |
| 190 | 932424306369417219 | 2017-11-20 | 01:44:12 | Twitter Web Client | 1 |
| 191 | 932057814528331776 | 2017-11-19 | 01:27:54 | Twitter Web Client | 0 |
| 192 | 931314896515543041 | 2017-11-17 | 00:15:48 | Twitter Web Client | 0 |
| 193 | 931308445008924673 | 2017-11-16 | 23:50:10 | Twitter Web Client | 3 |
| 194 | 930505516668915712 | 2017-11-14 | 18:39:37 | Twitter Web Client | 2 |
| 195 | 930487410491830274 | 2017-11-14 | 17:27:40 | Twitter Web Client | 3 |
| 196 | 930232884232892421 | 2017-11-14 | 00:36:17 | Twitter Web Client | 0 |
| 197 | 928852087328227328 | 2017-11-10 | 05:09:29 | Tweetbot for iS | 0 |
| 198 | 927389274609106944 | 2017-11-06 | 04:16:47 | Twitter Web Client | 1 |

| | |
|----|--------|
| | RTs |
| 0 | 0 |
| 1 | 0 |
| 2 | 1 |
| 3 | 0 |
| 4 | 0 |
| 5 | 1 |
| 6 | 1554 |
| 7 | 136394 |
| 8 | 907 |
| 9 | 0 |
| 10 | 1 |
| 11 | 0 |
| 12 | 0 |
| 13 | 0 |
| 14 | 3 |
| 15 | 0 |
| 16 | 2 |
| 17 | 10351 |
| 18 | 32186 |
| 19 | 0 |
| 20 | 0 |
| 21 | 0 |
| 22 | 0 |
| 23 | 0 |
| 24 | 0 |
| 25 | 0 |
| 26 | 14263 |
| 27 | 0 |
| 28 | 0 |
| 29 | 0 |
| .. | ... |

```

169      0
170      0
171      8
172      0
173      0
174      0
175      0
176 104963
177      24
178      0
179      0
180      0
181    5900
182    2559
183    8352
184      40
185      0
186      0
187      1
188     39
189      0
190      0
191      0
192      0
193      1
194      0
195      0
196    1258
197    7029
198      0

```

[199 rows x 8 columns]

The user name is:

n

| | Tweets | Name | Length | \ |
|---|---|------|--------|---|
| 0 | @dburkes I wouldn't be surprised if he would s... | N | 133 | |
| 1 | @dburkes No computer, no cybersecurity breach.... | N | 62 | |
| 2 | @miyagawa Listen to "rain sounds" now. It imme... | N | 119 | |
| 3 | @miyagawa I've been listening to "rain sounds"... | N | 122 | |
| 4 | @niw I've already decided that I should not us... | N | 103 | |
| 5 | @larrychen We can't wait to see new MacBook Pr... | N | 124 | |
| 6 | @RoKhanna short term: free college because inv... | N | 140 | |
| 7 | @MetroManTO @gruber Unforutnately, he's not th... | N | 107 | |
| 8 | For the first time, I just downloaded my twitt... | N | 140 | |

| | | | |
|-----|---|---|-----|
| 9 | @hak As much as I'm so impressed and excited b... | N | 140 |
| 10 | @kenn Yup. | N | 11 |
| 11 | @kenn Huh, typical pg. So many great insights ... | N | 89 |
| 12 | @kenn iCloud Photos works great for me too but... | N | 140 |
| 13 | @kenn Although this doesn't apply to me as a P... | N | 109 |
| 14 | The girl came home with a lot of candies and a... | N | 140 |
| 15 | USB-C to iPad didn't happen because everything... | N | 140 |
| 16 | @miyagawa I hate micro USB so much so that I w... | N | 96 |
| 17 | @larrychen @Apple When Dashboard on macOS is o... | N | 140 |
| 18 | @Psychs @tapbot_paul It's definitely not for X... | N | 123 |
| 19 | @larrychen @Apple I don't think it's a good id... | N | 112 |
| 20 | Hey @Flickr are you kidding me? Its ios 12 an... | N | 130 |
| 21 | @mojombo Because the new shallow keyboard is w... | N | 140 |
| 22 | @lrz @tadmanter Because it wasn't as strong as... | N | 140 |
| 23 | @lrz @tadmanter At home, I only use my laptop ... | N | 140 |
| 24 | I wonder if new iPad Pro can play a goddamn ex... | N | 67 |
| 25 | Let's call a total and complete control of gun... | N | 135 |
| 26 | "Naoki, based on your genetics, you have about... | N | 137 |
| 27 | So, if you know CSS very well, you can make a ... | N | 96 |
| 28 | @sdw @usedarkroom Project Fi | N | 28 |
| 29 | @tomokof Lightning USB-A ... N 82 | | |
| .. | | | |
| 170 | The tennis courts I regularly play at by iOS 1... | N | 131 |
| 171 | @dburkes haha. very true. but better than ... | N | 78 |
| 172 | Twitter TextEdit ... N 87 | | |
| 173 | #rebuildfm th: N 38 | | |
| 174 | Testing if a coordinate is within a polygon ca... | N | 101 |
| 175 | @hak Process is more important than result. Le... | N | 94 |
| 176 | Ill remember this incredible moment for a ver... | N | 95 |
| 177 | How can I help you? Looking for tennis shoe... | N | 140 |
| 178 | @miyagawa Hence we need more than one map serv... | N | 50 |
| 179 | @TimHaines When now it's legal to smoke in Cal... | N | 54 |
| 180 | Lotte is trying really hard to push it as Pepe... | N | 114 |
| 181 | @tomokof Stanford Stadium LA vs SJ ... N 52 | | |
| 182 | @tomokof https://t.co/wFbBDn... N 50 | | |
| 183 | @miyagawa Damnit. I may just watch it in Spanish. | N | 49 |
| 184 | Finally filed my tax return! Thanks a lot for ... | N | 67 |
| 185 | @miyagawa @hak I don't believe it's really pos... | N | 140 |
| 186 | I don't know how and why my kids installed iOS... | N | 139 |
| 187 | @TimHaines Awesome news!!! By the way, you'll ... | N | 140 |
| 188 | In Swift, not only properties and global varia... | N | 139 |
| 189 | @miyagawa Agree. And we call them shame-rai blue. | N | 49 |
| 190 | @miyagawa Samurai doesn't necessary mean a gre... | N | 57 |
| 191 | @miyagawa Americans don't know how to watch so... | N | 62 |
| 192 | @miyagawa Karma! | N | 16 |
| 193 | @miyagawa Yeah, I ended up watching it on my l... | N | 140 |
| 194 | #KOR beat #GER this badly is soooooooo good! It... | N | 116 |
| 195 | @miyagawa I see the need of a bigger screen fo... | N | 115 |

| | | | |
|-----|---|---|-----|
| 196 | Was much more interested in MEX vs SWE but fin... | N | 139 |
| 197 | I hope they'd teach Golang instead of Java at ... | N | 140 |
| 198 | The desk of my coworkers, sitting next to me.... | N | 140 |
| 199 | The yellow card to #CR7 was unfair and ridicul... | N | 118 |

| | ID | Date | Source | Likes | RTs |
|-----|---------------------|---------------------|--------------------|-------|-----|
| 0 | 1063274348746760192 | 2018-11-16 03:35:34 | Twitter Web Client | 0 | 0 |
| 1 | 1063271754682888192 | 2018-11-16 03:25:15 | Twitter Web Client | 3 | 1 |
| 2 | 1063224582667087873 | 2018-11-16 00:17:48 | Twitter Web Client | 1 | 0 |
| 3 | 1063221951261421569 | 2018-11-16 00:07:21 | Twitter Web Client | 4 | 0 |
| 4 | 1062725249228189702 | 2018-11-14 15:13:38 | Twitter Web Client | 0 | 0 |
| 5 | 1062471403599851520 | 2018-11-13 22:24:57 | Twitter Web Client | 2 | 0 |
| 6 | 1061286990316879872 | 2018-11-10 15:58:30 | Twitter Web Client | 1 | 0 |
| 7 | 1060040635061723140 | 2018-11-07 05:25:56 | Twitter Web Client | 0 | 0 |
| 8 | 1059603377028423680 | 2018-11-06 00:28:26 | Twitter Web Client | 3 | 0 |
| 9 | 1058515982149251072 | 2018-11-03 00:27:31 | Twitter Web Client | 7 | 1 |
| 10 | 1058207915419480065 | 2018-11-02 04:03:22 | Twitter Web Client | 0 | 0 |
| 11 | 1058206478195077122 | 2018-11-02 03:57:39 | Twitter Web Client | 1 | 1 |
| 12 | 1058203816875585536 | 2018-11-02 03:47:05 | Twitter Web Client | 0 | 0 |
| 13 | 1058199196191252480 | 2018-11-02 03:28:43 | Twitter Web Client | 0 | 0 |
| 14 | 1057869997924507648 | 2018-11-01 05:40:36 | Twitter Web Client | 57 | 1 |
| 15 | 1057449365663412224 | 2018-10-31 01:49:09 | Twitter Web Client | 11 | 1 |
| 16 | 1057447537798344705 | 2018-10-31 01:41:54 | Twitter Web Client | 2 | 0 |
| 17 | 1057446612929208321 | 2018-10-31 01:38:13 | Twitter Web Client | 0 | 0 |
| 18 | 1057423143692726273 | 2018-10-31 00:04:58 | Twitter Web Client | 3 | 0 |
| 19 | 1057410567294509056 | 2018-10-30 23:14:59 | Twitter Web Client | 0 | 0 |
| 20 | 1057357451534589952 | 2018-10-30 19:43:55 | Twitter Lite | 8 | 4 |
| 21 | 1057353301535019008 | 2018-10-30 19:27:26 | Twitter Web Client | 0 | 0 |
| 22 | 1057341937118658560 | 2018-10-30 18:42:16 | Twitter Web Client | 1 | 0 |
| 23 | 1057326240082747392 | 2018-10-30 17:39:54 | Twitter Web Client | 2 | 0 |
| 24 | 1057310114133069824 | 2018-10-30 16:35:49 | Twitter Web Client | 3 | 0 |
| 25 | 1056337917742800896 | 2018-10-28 00:12:40 | Twitter Web Client | 12 | 1 |
| 26 | 1055249028550541312 | 2018-10-25 00:05:48 | Twitter Web Client | 7 | 1 |
| 27 | 1055232965746118657 | 2018-10-24 23:01:58 | Twitter Web Client | 15 | 1 |
| 28 | 1054563781064351745 | 2018-10-23 02:42:52 | Twitter Web Client | 0 | 0 |
| 29 | 1053658973499314176 | 2018-10-20 14:47:29 | Twitter Web Client | 0 | 0 |
| .. | ... | ... | ... | ... | ... |
| 170 | 1014414590703095808 | 2018-07-04 07:44:19 | Twitter Web Client | 15 | 1 |
| 171 | 1014413451408564224 | 2018-07-04 07:39:48 | Twitter Web Client | 0 | 0 |
| 172 | 1014385073133514752 | 2018-07-04 05:47:02 | Twitter Web Client | 49 | 12 |
| 173 | 1014381239921344512 | 2018-07-04 05:31:48 | Twitter Web Client | 21 | 10 |
| 174 | 1014263124843638784 | 2018-07-03 21:42:27 | Twitter Web Client | 0 | 0 |
| 175 | 1013986023720644608 | 2018-07-03 03:21:21 | Twitter Web Client | 15 | 1 |
| 176 | 1013934095540211712 | 2018-07-02 23:55:01 | Twitter Lite | 66 | 5 |
| 177 | 1013646510599254018 | 2018-07-02 04:52:15 | Twitter Lite | 13 | 0 |
| 178 | 1013527404092915712 | 2018-07-01 20:58:58 | Twitter Web Client | 0 | 0 |
| 179 | 1013459343163838464 | 2018-07-01 16:28:31 | Twitter Web Client | 0 | 0 |
| 180 | 1013307276449333248 | 2018-07-01 06:24:15 | Twitter Web Client | 3 | 0 |

| | | | | | | |
|-----|---------------------|------------|----------|--------------------|----|----|
| 181 | 1013299305522737152 | 2018-07-01 | 05:52:35 | Twitter Web Client | 0 | 0 |
| 182 | 1013298714947932160 | 2018-07-01 | 05:50:14 | Twitter Web Client | 1 | 0 |
| 183 | 1012563226943315968 | 2018-06-29 | 05:07:40 | Twitter Web Client | 0 | 0 |
| 184 | 1012562275079557120 | 2018-06-29 | 05:03:53 | Twitter Web Client | 2 | 0 |
| 185 | 1012560964598689794 | 2018-06-29 | 04:58:41 | Twitter Web Client | 1 | 0 |
| 186 | 1012512875666014208 | 2018-06-29 | 01:47:35 | Twitter Web Client | 54 | 14 |
| 187 | 1012484299457585153 | 2018-06-28 | 23:54:02 | Twitter Web Client | 3 | 0 |
| 188 | 1012440534680399872 | 2018-06-28 | 21:00:08 | Twitter Web Client | 3 | 0 |
| 189 | 1012429397544992768 | 2018-06-28 | 20:15:53 | Twitter Web Client | 11 | 5 |
| 190 | 1012398641573650433 | 2018-06-28 | 18:13:40 | Twitter Web Client | 5 | 1 |
| 191 | 1012005698849275905 | 2018-06-27 | 16:12:15 | Twitter Web Client | 2 | 0 |
| 192 | 1012005286486446080 | 2018-06-27 | 16:10:37 | Twitter Web Client | 1 | 0 |
| 193 | 1012003876935856128 | 2018-06-27 | 16:05:01 | Twitter Web Client | 0 | 0 |
| 194 | 1012003132321161216 | 2018-06-27 | 16:02:03 | Twitter Web Client | 10 | 2 |
| 195 | 1011984712686919680 | 2018-06-27 | 14:48:51 | Twitter Lite | 0 | 0 |
| 196 | 1011983217916669953 | 2018-06-27 | 14:42:55 | Twitter Lite | 0 | 0 |
| 197 | 1011784793497845760 | 2018-06-27 | 01:34:27 | Twitter Web Client | 10 | 0 |
| 198 | 1011727684848766976 | 2018-06-26 | 21:47:31 | Instagram | 4 | 0 |
| 199 | 1011476115171360768 | 2018-06-26 | 05:07:52 | Twitter Web Client | 3 | 0 |

[200 rows x 8 columns]

The user name is:

o

Failed to run the command on that user, Skipping...

User's profile in a private mode, impossible extract tweets

```
In [ ]: import pandas as pd
        from pandas import ExcelWriter

        writer = pd.ExcelWriter('output.xlsx')
        data.to_excel(writer, 'Sheet1')
        writer.save()

In [ ]: import numpy as np

        # We extract the mean of lengths:
        mean = np.mean(result['Length'])

        print("The length's average in tweets: {}".format(mean))

        # We extract the tweet with more FAVs and more RTs:

        fav_max = np.max(result['Likes'])
        rt_max = np.max(result['RTs'])
```