

```

1
2 # coding: utf-8
3
4 # ## Non-subtweets Downloader Jupyter Notebook-in-Progress
5
6 # In[ ]:
7
8
9 import tweepy
10 import json
11
12
13 # ##### Set up access to the API
14
15 # In[ ]:
16
17
18 consumer_key, consumer_secret, access_token,
19 access_token_secret = open("../credentials_alternate.txt").
20 read().split("\n")
21
22 # In[ ]:
23
24
25 auth = tweepy.OAuthHandler(consumer_key, consumer_secret)
26 auth.set_access_token(access_token, access_token_secret)
27
28 # ##### Specifically take advantage of built-in methods to
29 handle Twitter API rate limits
30
31 # In[ ]:
32
33
34 api = tweepy.API(auth, wait_on_rate_limit=True,
35 wait_on_rate_limit_notify=True, compression=True)
36
37 # ##### Find tweets with replies that do not claim it is a
38 subtweet
39
40 # In[ ]:
41
42
43 def first_tweet(tweet_status_object):
44     try:
45         return first_tweet(api.get_status(tweet_status_object.
46 in_reply_to_status_id_str, tweet_mode="extended"))
47     except tweepy.TweepError:
48         return tweet_status_object
49
50
51 def get_subtweets(max_tweets=1000000, query=("subtweet AND @
52 since:2018-03-01 exclude:retweets filter:replies")):
53     subtweets_ids_list = []
54     subtweets_list = []
55     i = 0
56     for potential_subtweet_reply in tweepy.Cursor(api.search,
57 lang="en", tweet_mode="extended", q=query).items(max_tweets):
58         i += 1
59         # print("\tTweet #{0} may be a reply to a subtweet: {1
60 }.format(i, potential_subtweet_reply.full_text.replace("\n
61 ", " ")))

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53     potential_subtweet_original = first_tweet(
potential_subtweet_reply)
54     if not potential_subtweet_original.
in_reply_to_status_id_str and potential_subtweet_original.
user.lang == "en":
55         if potential_subtweet_original.id_str in
subtweets_ids_list or "subtweet" in
potential_subtweet_original.full_text or "Subtweet" in
potential_subtweet_original.full_text or "SUBTWEET" in
potential_subtweet_original.full_text:
56             continue
57         else:
58             subtweets_ids_list.append(
potential_subtweet_original.id_str)
59             subtweets_list.append({"tweet_data":
potential_subtweet_original._json, "reply":
potential_subtweet_reply._json})
60             with open("../data/other_data/subtweets.json"
, "w") as outfile:
61                 json.dump(subtweets_list, outfile, indent
=4)
62                 print("Tweet #{0} was a reply to a subtweet
: {1}\n".format(i, potential_subtweet_original.full_text.
replace("\n", " ")))
63         return subtweets_list
64
65
66 # In[ ]:
67
68
69 subtweets_list = get_subtweets()
70 print("Total: {}".format(len(subtweets_list)))
71

```