◀　　Project:
　　　Wrangle and Analyze Data　　　≡　　　　　　　　Twitter API

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Mentor Help
Ask a mentor on our Q&A platform

Peer Chat　　3
Chat with peers and alumni

for APIs and public code.

Twitter's Rate Limit

Twitter's API has a rate limit. Rate limiting is used to control the rate of traffic se
server. As per Twitter's rate limiting info page:

> Rate limits are divided into 15 minute intervals

To query all of the tweet IDs in the WeRateDogs Twitter archive, 20-30 minutes
expected. Printing out each tweet ID after it was queried and using a code time
sanity reasons. Setting the `wait_on_rate_limit` and `wait_on_rate_limit_not`
`True` in the `tweepy.api` class is useful as well.

Writing and Reading Twitter JSON

After querying each tweet ID, you will write its JSON data to the required `tweet_`
each tweet's JSON data on its own line. You will then read this file, line by line, to
DataFrame that you will soon assess and clean. This Reading and Writing JSON
article from Stack Abuse, will be useful.

Accessing Project Data Without a Twitter Account

If you can't set up a Twitter developer account using the steps above, or you pre
Twitter account for some reason, you may instead follow the directions below to
necessary for the project. **Note**: We recommend that you follow the steps above
using a Twitter developer account, because with the shortcut detailed below, yo
the valuable skill of gathering this data on your own. However, Twitter's updated
for everyone, and we realize there are legitimate reasons that some students m
so we provide it to you here. **You choose the approach to access the data tha
This shortcut approach will certainly work for you to pass the project equa**

Directions for accessing the Twitter data without actually creating a Twitter a
At the bottom of this page you can find two files you can download:

- twitter_api.py: This is the Twitter API code to gather some of the required
  Read the code and comments, understand how the code works, then copy
  notebook.
- tweet_json.txt: This is the resulting data from twitter_api.py. You can proce
  part of "Gathering Data for this Project" on the Project Details page: "Then
  file line by line into a pandas DataFrame with (at minimum) tweet ID, retwe
  count."

Supporting Materials
⤓ **twitter_api.py**
⤓ **tweet_json.txt**