Working with JSON and CSV files

5 minutes test

1. What does the following do?

    a) $ git clone https://github.com/yabebalFantaye/bigdata_aims_senegal.git
    b) $ git add *.py
    c) $ git commit –m 'My first commit'
    d) $ git push

2. What is the result of the following python code?

    ```
    import os
    import sys

    q = True
    u = None

    If q: print 'I am happy!'
    If u: print 'I am not None'
    ```

{"created_at":"Wed Feb 11 08:43:55 +0000 2015","id":
565431020485607425,"id_str":"565431020485607425","text":"@CaseyJensen \u25ba Interesting blog about
traveling in africa on the road - Have a look! \u263a http:\/\/t.co\/NDlAX4oI5C \u25ba","source":"\u003ca href=
\"http:\/\/twitter.com\" rel=\"nofollow\"\u003eTwitter Web Client\u003c\/a
\u003e","truncated":false,"in_reply_to_status_id":null,"in_reply_to_status_id_str":null,"in_reply_to_user_id":
16148820,"in_reply_to_user_id_str":"16148820","in_reply_to_screen_name":"CaseyJensen","user":{"id":
2934243924,"id_str":"2934243924","name":"Edita_Buonanno","screen_name":"Edita_3800","location":"","url":n
ull,"description":null,"protected":false,"verified":false,"followers_count":18,"friends_count":176,"listed_count":
0,"favourites_count":0,"statuses_count":3209,"created_at":"Thu Dec 18 04:02:10 +0000
2014","utc_offset":null,"time_zone":null,"geo_enabled":false,"lang":"en","contributors_enabled":false,"is_transl
ator":false,"profile_background_color":"C0DEED","profile_background_image_url":"http:\/\/abs.twimg.com\/
images\/themes\/theme1\/bg.png","profile_background_image_url_https":"https:\/\/abs.twimg.com\/images\/
themes\/theme1\/
bg.png","profile_background_tile":false,"profile_link_color":"0084B4","profile_sidebar_border_color":"C0DEED",
"profile_sidebar_fill_color":"DDEEF6","profile_text_color":"333333","profile_use_background_image":true,"profi
le_image_url":"http:\/\/pbs.twimg.com\/profile_images\/545428877858713600\/
HirwUUoA_normal.jpeg","profile_image_url_https":"https:\/\/pbs.twimg.com\/profile_images\/
545428877858713600\/HirwUUoA_normal.jpeg","profile_banner_url":"https:\/\/pbs.twimg.com\/
profile_banners\/2934243924\/
1418875466","default_profile":true,"default_profile_image":false,"following":null,"follow_request_sent":null,"n
otifications":null},"geo":null,"coordinates":null,"place":null,"contributors":null,"retweet_count":
0,"favorite_count":0,"entities":{"hashtags":[],"trends":[],"urls":[{"url":"http:\/\/t.co\/
NDlAX4oI5C","expanded_url":"http:\/\/www.african-road-trip.com\/","display_url":"african-road-
trip.com","indices":[87,109]}],"user_mentions":[{"screen_name":"CaseyJensen","name":"CaseyJensen","id":
16148820,"id_str":"16148820","indices":[0,12]}],"symbols":
[]},"favorited":false,"retweeted":false,"possibly_sensitive":false,"filter_level":"low","lang":"en","timestamp_ms":
"1423644235141"}

```python
import numpy as np
import json
import pandas as pd
import matplotlib.pyplot as plt

tweets_data_path = '../data/africa_ethiopia_tweets.txt'

tweets_data = [ ]
tweets_file = open(tweets_data_path, "r")

for line in tweets_file:
    try:
        tweet = json.loads(line)
        tweets_data.append(tweet)
    except:
        continue

tweets_file.close()

def get_tweet_text(tweet):
    return tweet['text']
```

https://apps.twitter.com

Application Management

Twitter Apps

Please sign in with your Twitter Account to create and maintain Twitter Apps.

https://apps.twitter.com

Application Management

Twitter Apps

Create New App

trendafrica
trend analysis of African tweets

https://apps.twitter.com

trendafrica

Details | Settings | Keys and Access Tokens | Permissions

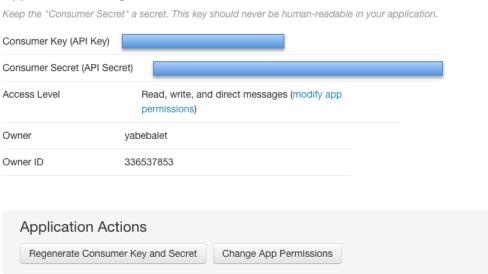trend analysis of African tweets

http://trendafrica.com

Organization

Information about the organization or company associated with your application. This information is optional.

Organization	None
Organization website	None

Application Settings

Your application's Consumer Key and Secret are used to authenticate requests to the Twitter Platform.

https://apps.twitter.com

Application Settings

Keep the "Consumer Secret" a secret. This key should never be human-readable in your application.

Consumer Key (API Key)	
Consumer Secret (API Secret)	
Access Level	Read, write, and direct messages (modify app permissions)
Owner	yabebalet
Owner ID	336537853

Application Actions

Regenerate Consumer Key and Secret   Change App Permissions

Your Access Token

This access token can be used to make API requests on your own account's behalf. Do not share your access token secret with anyone.

Access Token	
Access Token Secret	
Access Level	Read, write, and direct messages
Owner	yabebalet
Owner ID	336537853