-- README FILE--

GROUP NAME: TWITTER TRIUMPHS

GROUP MEMBERS INFORMATION

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Installation and Execution Guidelines

1. Our application runs on any *Python 3.x version*

2. We have used the following packages in our application:
   - pandas
   - numpy
   - matplotlib
   - tweepy
   - csv
   - beautifulsoup
   - urllib
   - dateutil
   - re

3. The installation commands for each of these packages, along with the required version no are stated below:

   - Pandas

     Description

pandas is an open source, BSD-licensed library providing high-performance, easy-to-use data structures and data analysis tools for the Python programming language.

Reference:
https://anaconda.org/conda-forge/pandas

Installation Command
To install this package with conda run one of the following:
```
conda install -c conda-forge pandas
conda install -c anaconda pandas
pip install pandas
```

- Numpy

  Description
  NumPy is the fundamental package needed for scientific computing with Python

  Reference
  https://anaconda.org/anaconda/numpy

  Installation Command
  To install this package with conda run:
  ```
  conda install -c anaconda numpy
  conda install -c conda-forge numpy
  pip install numpy
  ```

- matplotlib

  Description
  matplotlib is a python 2D plotting library which produces publication quality figures in a variety of hardcopy formats and interactive environments across platforms

  Reference
  https://anaconda.org/conda-forge/matplotlib

  Installation Command
  To install this package with conda run one of the following:
  ```
  conda install -c conda-forge matplotlib
  conda install -c anaconda matplotlib
  pip install matplotlib
  ```

- tweepy (3.7.0 latest)

  Description
  This class provides a wrapper for the API as provided by Twitter

  Reference
  https://anaconda.org/conda-forge/tweepy

  Installation Command

  The following command must be run outside of the IPython shell

  $ pip install tweepy

  The Python package manager (pip) can only be used from outside of IPython.
  Please reissue the `pip` command in a separate terminal or command prompt.

  See the Python documentation for more information on how to install packages:

  https://docs.python.org/3/installing/

  To install this package with conda run one of the following:
  ```
  conda install -c conda-forge tweepy
  pip install tweepy
  ```

4. In order to scrape data from Twitter, we are using the Twitter API provided by Twitter. The steps to set up and able to use the API are as follows:

   - *Get a Twitter Developer Account*
     Answer four questions regarding how you will be using your app that you will develop using the Twitter API, what the app aims to do, and how your customers will be viewing the data that you've extracted from Twitter.
   - *Once you answer them*, they will send follow up questions within 24 hours and if you answer these properly, within a few more hours, you will receive the four things that you need to connect to the twitter API – the consumer key, consumer secret, access key, and access secret.
   - *The rest will be explained in the code(using 'tweepy' package)*. Once you run the code, it will ask you to enter a twitter handle who's tweets you want to download. You will have to enter a twitter handle, Eg. "realDonaldTrump" for our application
   - *You can see that certain messages are being displayed once you enter a twitter handle.* These messages are the way the tweets are being downloaded, in

packets, few at a time. Once the task is done, you can see that a file has been created in your current directory.

5. Link to the Youtube video, showcasing our application **demo**
   < https://www.youtube.com/watch?v=jTrQ11MD0Ig&feature=youtu.be>

6. There is **ONE main Program File** named **'group_3_twittertriumphs_project.py'** and other Python Files zipped together along with this file i.e.README.docx