Needed Software:

Python 3.5 – see the attached directions

Mongo DB

Install with Anaconda

Macs – open a terminal window

Windows – open a command prompt window

Enter: conda install mongodb

Pymongo

Install with Anaconda

Open a command prompt window

Enter: conda install pymongo

Python Package for Networks

Command prompt

Enter: conda install networkx

Conda install matplotlib

Python Tweepy Package

Command prompt

Enter: conda install -e lebpride tweepy=3.5.0

Open Authorization for Twitter:

OAuth is described in this post: http://tutorials.jenkov.com/oauth2/overview.html

The first step in the OAuth process is to create an "application" for your Twitter account. Go to the Twitter developer web site to create the application:

https://apps.twitter.com/

Click on the button Create New App. Since we are just writing programs on our own behalf, you can call the application whatever you want. I created an account to say:

Your name

Application account for class and research

http://dlandowski.ischool.syr.edu/

You can make up something similar (and note that my URL is not actually there).

After reviewing and agreeing to the Developer Rules of the Road, your application will be created with access codes. These access codes apparently stay current without requiring renewal.

Copy the four codes into a text file for easy reference: consumer key, consumer secret, access token and secret.

Note that we have created Read-only access, which allows us to search and collect tweets, but not to send tweets from our programs.

>>> CONSUMER_KEY = 'your consumer key here'

>>> CONSUMER_SECRET = 'your consumer secret here'

>>> OAUTH_TOKEN = 'your oauth token here'

>>> OAUTH_SECRET = 'your oauth secret here'

Python Facebook-sdk package:

Open an Anaconda prompt window

Enter: pip install facebook-sdk

Getting Access Token:

Go to: https://developers.facebook.com/docs/graph-api/quickstart

Click on the "get Access Token" button.

Click ok

Token is available for about 1 hour.

Sentiment Analyzer:

Within Python interpreter:

Enter: nltk.download()

Go to tab labeled all packages

Scroll down to one with name starting with vader – click on download