Project Objective
Text mining using live Twitter streaming API and Python

- To peform sentiment analysis on the twitter database and display them specific to a country
- Sentiment analysis
  - To display the happiest state in USA
- Data mining
  - Calculate the happiness score based on the keywords in dictionary

Project Outline - Tools/Packages and Technology Stack Used

- Packages used are as follows
  - Json: For dumping live stream into a file
  - Tweepy: Library for twitter API with python wrapper
  - Pandas: for ease of data mining
  - re: for regular expression
  - matplotlib: for plotting the data

Outline of work completed

- Authentication
  - Successfully able to access twitter API
- Streaming
  - Able to obtain live stream of unfiltered as well as filtered tweets based on keywords
- Streaming is being done using one fixed method using tweepy library from stream.twitter.com
- Mining has been started

Outline of work to be done

- Mining
- Organizing the mined data in a graphical view
- Displaying on a country map with state-wise color coding