Diagram # A

twitter

Streaming API

English Geotagged Tweets

-ve   WSD   +ve
      Senti_classifier

Tweet
Tokenizer

Porter
Stemmer

Sentiment
Analysis
Tools

python

Tweepy

Word by word
comparison script

NLTK

Tweets categorized into Emotions

Anger   Fear

Sad

Disgust

Happy

Surprise

Nutural

Store emotion tweets in (Emotions) collection

Emotion

mongoDB

mongolab

Run concurrent thread every 5 min

Canda : Happy
Australia : Happy
Mexico : Anger
United Kingdom: Surprise
Egypt : Sad
South Africa: Fear
United states: Happy
India : Happy

Apply mongodb
queries

Results

Country Emotion

update world
emotions map
every 5 min

Store results in
(CountryEmotion) collection

"to the map"