

Project Title: Twitter data sentiment analysis system

Motivation : In our generation the social media is a place where most people spend large amounts of time, so to get the mood/feeling of the people towards a particular topic it is useful to have a system by using which we can get the sentiment of the masses about topics.

Uses of sentiment analysis:

1. Used in Decision Making for an organisation to analyse the market
2. Brand Reputation Management
3. To find Voice of Voters
4. Used in Online Commerce
5. Can be used in efficient Governance

Input:

- Take the type of topic for analysis(for example movie review analysis,sentiment towards a leader/political party, analysis of the tweets of a famous personality)
- Take the subject name
- Kind of analysis(real time or previous data)
- If we want for compare the input for that(example in case of political sentiment user might interested in finding the comparison of sentiment towards many political party)
 1. Enter the name compititor with which we want to compare

Output

- Number of people which have positive sentiment/negative sentiment in form of bar chart
- Country wise sentiment about a topic like in case of movie review/ leader acceptance
- List of most frequent word used in tweet about a topic

- In case of personal tweet analysis we will show the nature of tweets a person does and output the frequent word and sentiment of tweets

Weekly plan:

Week1(25/Oct-31/Oct): Getting the data from twitter using tweepy api and cleaning that using various text processing techniques(like by using nltk library)

Week 2-3(1/Nov-14/Nov): Making model to process the data and predict the sentiment of the tweets using various ml models, starting making webpage

Week 4(15/Nov-21/Nov):making web page and backend of the webpage

Week 5: Final analysing,hosting and final presentation

1. do everything parallel
2. Make web page
3. Give user the number of tweets