PROGRESS REPORT-2

Sentiment Analysis of Twitter Data Using Python

SUBMITTED IN PARTIAL FULFILLMENT OF THE

REQUIREMENTS FOR THE AWARD OF

Degree of Bachelor of Technology in Computer Science & Engineering

SUBMITTED BY

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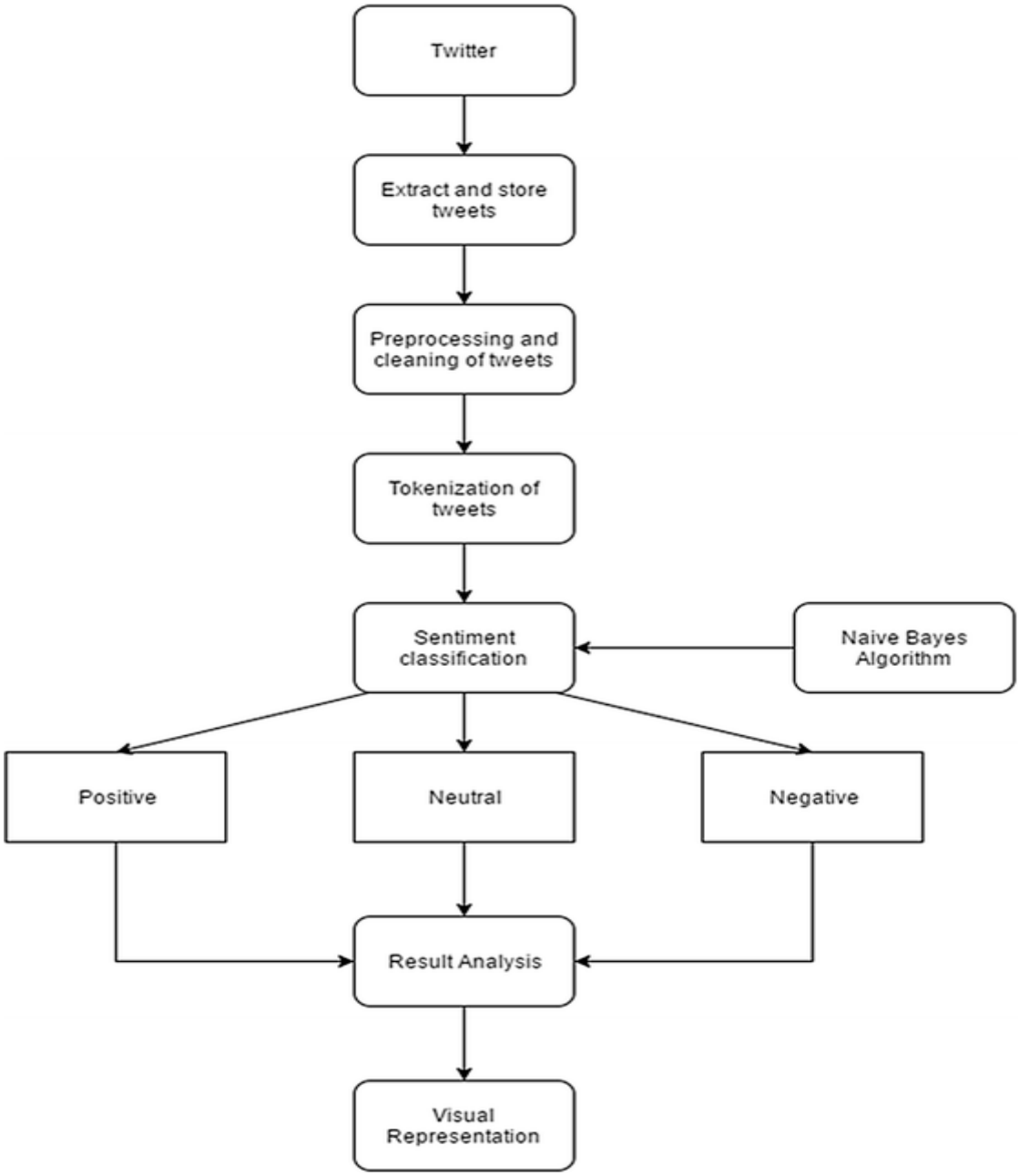
1. Project Goal

Social networks are the main resources to gather information about people's opinion and sentiments towards different topics as they spend hours daily on social medias and share their opinion. In this project, we show the application of sentimental analysis and how to connect to Twitter and run sentimental analysis queries. We run experiments on different queries from politics to humanity and show the interesting results. We realized that the neutral sentiment for tweets are significantly high which clearly shows the limitations of the current works. It will be helpful to political party for reviewing about the program that they are going to do or the program that they have performed. Similarly, companies also can get review about their new product on newly released hardware's or software's. Also, the movie maker can take review on the currently running movie. By analysing the tweets analyser can get result on how positive or negative or neutral are peoples about it.

2.Project Design: -



3. Project Work done till date: -

Till now we have done two things, we have work on implement an algorithm for automatic classification of text into positive and negative and Sentiment Analysis to determine the attitude of the mass is positive, negative or neural towards the subject of interest.

4.Total numbers of modules/phases in the project: -

1. Analysis tweets post by different peoples on twitter.
2. Date collection regarding tweets
3. Classification of data: -
    - Native Bayes Classifier (NB) Algorithm
4. A training set for each class of data Phase
5. Tree Diagram analysis of Native Bayes Classifier
6. Graph Isolation for Native Bayes Classifier
7. Analysis tweets segments as (positive / Negative /neural) using ML(Python) Phase
8. Documentation
9. IEEE Paper

5. Number of modules covered till 1st progress Report: -

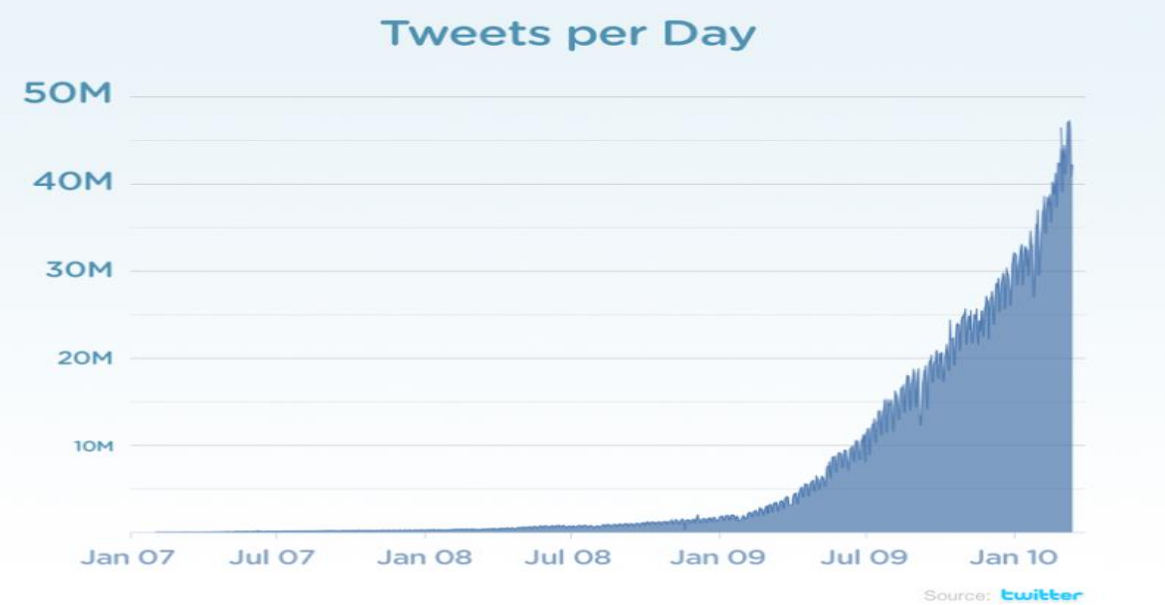
1. Analysis tweets post by different peoples on twitter.
2. Date collection regarding tweets
3. Classification of data: -
    - Native Bayes Classifier (NB) Algorithm

6.Number of modules covert till 2nd Progress Report: -

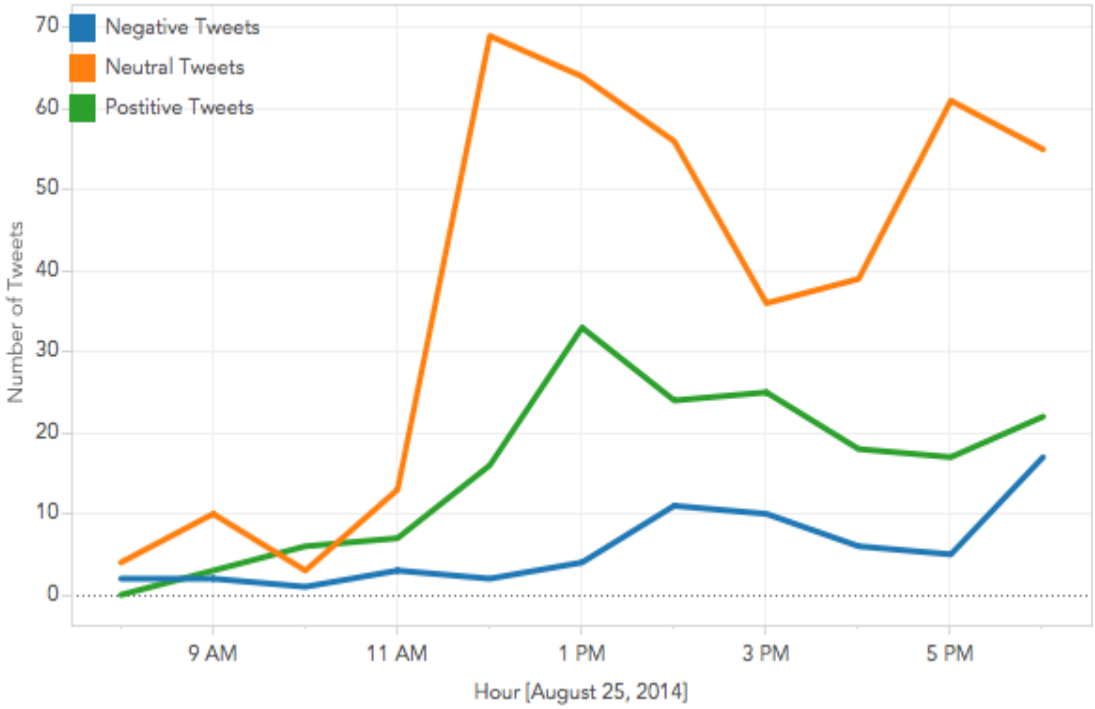
1. A training set for each class of data Phase
2. Tree Diagram analysis of Native Bayes Classifier
3. Graph Isolation for Native Bayes Classifier
4. Analysis tweets segments as (positive / Negative /neural) using ML(Python) Phase
5. Documentation

7. Screenshots of running project till date

1. Regarding Tweets Per Day Graph: -



2. Classification of tweets: -



8. Further Directions (Pending work details)

Our projects success depends when we integrate these 3 modules out of which 2 have been already made and 1 is remaining and then most tough part of us project that is combining these 3 is also remaining and after combining them only Real time detection and Documents will be left.