Real-Time Twitter Sentimental Analysis

GitHub repository link for the project proposal:

https://github.com/laharireddy09/techdevils.git

Introduction

Sentiment Analysis is a natural language processing technique used to determine if the textual data is positive, negative, or neutral. It helps many organizations to analyze organizations to monitor their brand and their reputation from the feedback provided by their customers on social media. Similarly, a person who is in limelight would like to know what people think of him/her work and how they can make changes. Nowadays we spend most of our time online either WhatsApp, Facebook, Twitter, etc. For some organizations, it will be very important to monitor the pulse of the people and their reactions, behavior, etc., especially in politics or getting things viral. To do that analysis we have Twitter sentiment analysis and that is too real-time.

Motivation

In our day-to-day life many celebrities, politicians tweet so many things on Twitter, so many people will comment on the tweet, if the tweets are few, we can understand how followers are reacting to the message. But if the comments are many it will be difficult to get the sentiments of the followers. So, this project deals with getting followers' sentiments with respective tweets whatever they selected. And can give scoring accordingly like positive, negative, or neutral comments.

Objectives

The study's goals are to build & deploy a Real-time sentiment Analysis of the below tasks:

- Understand the current sentiment of the people.
- How many are reacting to the tweet.
- Getting text analytics of the tweets.
- Clustering the textual comments into categories of positive, negative, and neutral.

Significance

The following are some of the most important Significance Real-time sentiment Analysis

- A user interface where the user will be able to get tweets related to the topic entered.
- Perform sentiment analysis on the tweets retrieved and categorize them accordingly as positive, negative, or neutral comments
- visualize the dashboards with the percentage of each sentiment
- This helps to increase Twitter followers.
- Provides the thinking perspective of the people.

Features

- Allows analyzing any person's tweet on Twitter.
- Real-time Analysis
- Quicker and Faster
- Provided a visual image of the overall distribution of the sentiments.

References

Authors: V. Prakruthi, D. Sindhu and D. S. Anupama Kumar, "Real-Time Sentiment Analysis of Twitter Posts"
Publisher: IEEE