

Sentiment Analysis of Tweets and News Media Reporting on Demonetization Issues

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1 Problem Statement

Compare the sentiments of online tweets and News reports on the topic Demonetization and find the relationship between them on the basis of their sentiments.

2 Methodology

Firstly, we will scrap tweets on Demonetization which were tweeted between 9th November to 31st December. Then, we will extract and separate the data based on date, id, screen-name using different Python libraries. We will refine the data using Natural Language Toolkit (NLTK) and Python libraries. Then, we will apply different algorithms for analyzing the sentiments of the tweets in terms of positive, negative and neutral outputs. Using MATLAB, we will draw graphs based on the results.

Now, we will collect data from news reports which were published during 9th November to 31st December on the topic Demonetization specifically. Then, we will use the same techniques as for the tweets to analyze the sentiments of news reports in terms of positive, negative and neutral outputs. Again, we will draw graphs based on the results.

Lastly, we will compare the sentiments of tweets and news reports and will find the relationship between them. And then, we will draw comparative graphs based on the results.

3 Experimental Setup (Dataset, Software, Hardware Used)

Dataset : Dataset of online tweets and different news articles on "Demonetization" (The training data contains data between 9th November to 31st December 2016).

Software used : pycharm ide, Canopy, Sublime Text 3, NLTK, Pyth, numpy, scipy, stopwords, Windows 10, ubuntu 16.06