

Quantifying Political data Analysis Based On Tweets

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Abstract—The across the board utilization of online interpersonal organizations (OSNs) to scatter data and trade assessments, by the overall population, news media and political performers alike, has empowered new roads of research in computational political science. In this paper, we concentrate the issue of evaluating and gathering the political inclining of Twitter clients. We define political inclining derivation as an arched streamlining issue that fuses two thoughts: (a) clients are reliable in their activities of tweeting and retweeting about political issues, and (b) comparable clients have a tendency to be retweeted by comparative gathering of people. our quantitative review reveals insight into the political socioeconomics of the Twitter populace, and the worldly elements of political polarization as occasions unfurl.

Keywords –Twitter, political science, inference, convex optimization.

1.INTRODUCTION

As of late, huge online web-based social networking information have discovered numerous applications in the crossing point of political and software engineering.

Illustrations incorporate noting inquiries in political and sociology (e.g., demonstrating/discrediting the

presence of media predisposition [3, 30] and the "reverberate chamber" impact [1, 5]), utilizing on the web-based social networking to foresee decision results [46, 31], and customizing web-based social networking encourages to give a reasonable and adjusted perspective of individuals' conclusions on disputable issues [36]. An essential for noting the above research inquiries is the capacity to precisely evaluate the political inclining of the populace included. On the off chance that it is not met, either the conclusion will be invalid, the expectation will perform inadequately [35, 37] due to a skew towards exceptionally vocal people [33], or client experience will endure.

In this venture the administrator logs into the server and he makes a tweet on a specific theme on political gatherings, issues of governmental issues. At that point the administrator tweets it then the tweeters seeing the tweet can remark on the tweet made by the administrator. After the tweeter tweets on the tweet of the administrator the companions who are in the profile of the tweeter can re-tweet to the remark made by the tweeter. Just the companions who are in the profile of the tweeter can react to the remark made by the tweeter to the administrators tweet no other individual can see the tweet made by the tweeter. At that point on the no of tweets given on that specific issue the

administrator computes the outcome utilizing the surmising strategy and makes the reference diagram portrayal for the outcome. Each issue has three sorts of results (positive, negative, neutral.). Administrator at some point shows the result in pictorial format according to tweets.

2. Proposed System

In this venture we will defeat the inconveniences in the above existing framework by encircling political inclining derivation as a raised advancement issue.

It mutually expands tweet re-tweet understanding it a mistake term. Our procedure requires just a constant flow of tweets yet not the twitter interpersonal organization. basic Interpretation of averaging is utilized. Hash utilization designs change altogether as political occasions unfurl.

3. METHODOLOGY

Usage is the phase of the venture when the hypothetical outline is transformed out into a working framework. In this manner it can be thought to be the most basic stage in accomplishing a fruitful new framework and in giving the client, certainty that the new framework will work and be powerful.

The usage organize includes cautious arranging, examination of the current framework and its limitations on execution, outlining of techniques to accomplish changeover and assessment of changeover strategies. In this project we are using Convex Optimization technique where the tweets and re-tweets collected in the database are in huge number when the convex optimization technique is used up in the large number of data, then the data is taken as a whole and average is calculated and the

approximate value is produced to upon the average number of tweets and the average value is given out very quick in spite having the huge number of data.

When the data is converted into small number using the convex optimization the data is still large in number. The daily usage of tweeter is being increased day by day so in order to get a value which is close to the exact value we are using Inference technique which is based upon the assumptions of the values every value is taken as the approx. value of the real value and the result is being produced based upon that number.

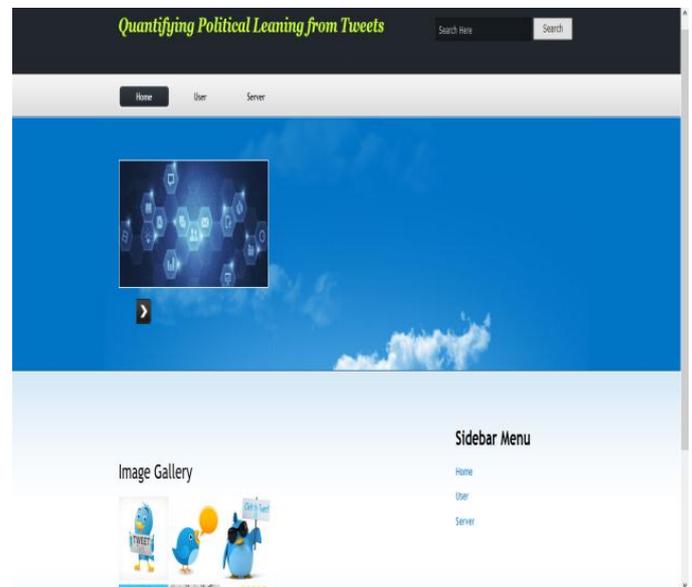


Fig 1: Home Page

4. PROPOSED ARCHITECTURE MODEL

In this project we are using Jsp for the front for creation of user interfaces on which the user interacts with the tweeter. MySQL is used as the back end database where the all the data which is collected from the tweeter are stored. By using both Jsp and MySQL we are creating this project where the user can tweet according to that particular issue

and all the data is stored in Mysql server from where the calculations are done and the result is being produced.

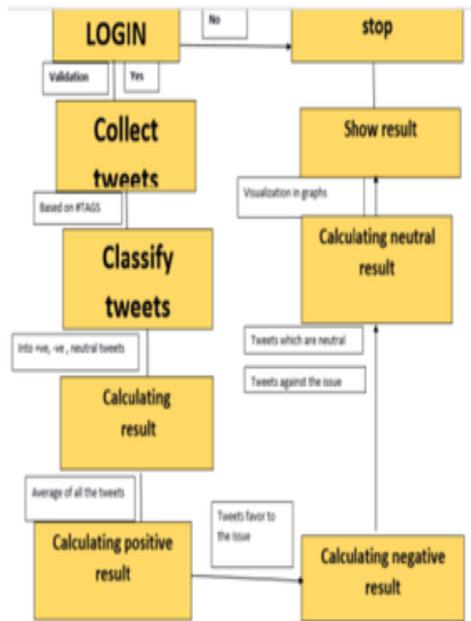


Fig 2: System Architecture design

5.IMPLEMENTATION

5.1 TWEET OPERATION

5.2 CALCULATING TWEETS Based

On contents

5.3 RESULT TWEET

5.4 RESULT VISUALIZATION

5.1TWEET OPERATION:

First twitter user log in to the twitter and the tweets on an issue giving a specific keyword to show that he is tweeting on particular topic. The keyword used is “#Tag”. Now the tweets is posted on a particular issue, then according to his tweet

there are re-tweeters who reply to his tweets in a positive manner and in negative manner and again there are re-tweeters who tweet on the reply of re-tweeters, so there will be multiple re-tweets for the re-tweets.

As there will be many tweets on issues we need to classify the tweet based on #tags

Example: - #tags are: - #elections, #party name, #candidate name, #issue, #state elections.

5.2 CALCULATING TWEET BASED ON CONTENT:

Now the user can tweet and re-tweet on an issue its difficult to classify the tweets as there are thousands of tweets on particular issue in order to eliminate this problem we classify the tweets based on #tags now as we consider #tags there are re-tweets for that particular tweet so in order to classify them as supporting or not supporting we are again classifying the tweets based upon key words.

5.3 RESULT TWEET:

After calculating the no of supporters for each candidate we now should calculate the no of tweets which are positive, negative and neutral for each candidate. In order to calculate these we are using the key word based classification.

The key words which we use are good , bad, excellent, worst ,happy ,sad etc. so based upon these key words we are classifying the result and develop the positive , negative, neutral result.

5.4 RESULT VISUALIZATION:

After generating the result the result is then showed in a bar chat manner so that it will be easy for the twitter users to understand how many twitter users

have supported the candidate, how many twitter users have not supported and how many twitter users have stayed neutral on this issue through a bar chart representation

6.EXPERIMENTAL RESULTS

Image	Tweet Name	Description	Date	Tweets	Re-Tweets
	Congress	The future Congress leader will be Rahul Gandhi	01/08/2017 16:02:16	View Tweet Details	View Re-Tweet Details
	BJP	BJP changes all members recently	01/08/2017 16:36:51	View Tweet Details	View Re-Tweet Details
	BJP	BJP is some better in congress	25/02/2017 15:26:29	View Tweet Details	View Re-Tweet Details
	BJP	IN THIS YEARS OF BJP GOVT IT IS REACHED BY PEOPLE SATISFACTION OR NOT	06/03/2017 20:30:16	View Tweet Details	View Re-Tweet Details
	cong	will Rahul Gandhi be PM due to the mistakes made by BJP?	06/03/2017 08:40:47	View Tweet Details	View Re-Tweet Details
	others	other political party	13/03/2017 17:24:27	View Tweet Details	View Re-Tweet Details
	others	Are there any chances for people to support other parties other than BJP and CONGRESS?	14/03/2017 09:46:10	View Tweet Details	View Re-Tweet Details

Commented User	Comment	Date	View the Details
sal	very good choice	14/03/2017 10:18:02	View
teja	yes it is very good choice	14/03/2017 10:20:11	View
bhanu	yes it is good opinion	14/03/2017 10:21:18	View
venu	yes i will agree with you and good choice	14/03/2017 10:23:10	View
praveen	yes it is correct and good choice	14/03/2017 10:24:46	View

Fig 3:All Users Tweets And Details

Fig 4:Classification Of Tweets

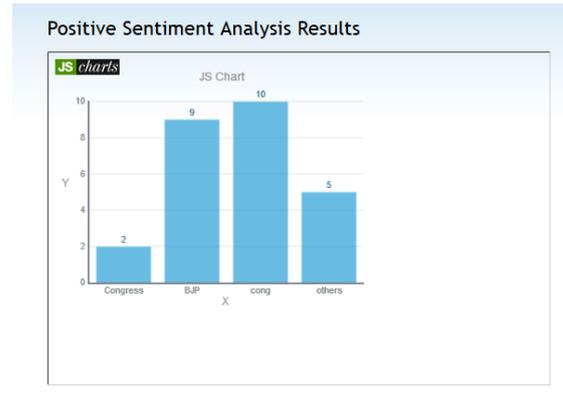


Fig 5- Positive graph

7.CONCLUSION

In this project we are implemented inference technique where we assume the number of tweets tweeted for that particular actor and we calculate the result using convex optimization technique where the huge number of tweets are collected in our data based is taken and average of the tweets are calculated and the result is produced according to the actor and the main key used for producing the result are the keywords which classify the which type of tweet the user is tweeting on that particular issue.so it is collected based upon keywords used in this project. Finally it shows how many positive, negative and neutral tweets in graph representation.

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