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SENTIMENTAL ANALYSIS USING SOCIAL NETWORKING SITES

Ranganathan D.J.M*, Arul.K#

Under Graduate Student*, Asst.Professor#

Department Of Computer Science and Engineering

Saveetha Nagar, Thandalam, Chennai-602105

Saveetha School of Engineering

Saveetha University

ranganathanct@gmail.com*, arul7@gmail.com#

Abstract

This paper is concerned with Social Network Mining it is the concept of mining Social Networking Sites and Blogs, extract the required data from it and predict useful information that exists in the collected content. In order to implement this idea the technique used here is representing the mined data in a graph based model for better understanding of relationships between the data and predictive analysis , the concept of text categorization and clustering is used here to get the content and relevant results based on keyword. This is used to find out predictive analysis from graph comes in as we may be able to view his other interactions and get a better idea about his mindset.

Index Terms- Text Categorization,Predictive Analysis, Clustering, data interactions.

Introduction

Social Network Mining is the concept of mining Social Networking Sites and Blogs extract the required data from it and predict useful information that exists in the collected content. In order to implement this idea the technique used here is representing the mined data in a graph based model for better understanding of relationships between the data and predictive analysis , the concept of text categorization and clustering is used here to get the content and relevant results based on keyword .Consider a case where a person constantly posts on the blog about hatred over a community or his nation , he is more likely to use harsh words like kill or murder etc. or even a book regarding that subject or persons like Hitler , we need to have a list of flagged words which should not be used and also all the related words to it . So when a person uses it he should automatically be added to our blacklist maintained but we should not misinterpret a guy who is going to do an assignment based on Hitler's life as a follower and advocator of Hitler's ideologies etc. so this is where predictive analysis from graph comes in as we may be able to view his other interactions and get a better idea about his mindset.

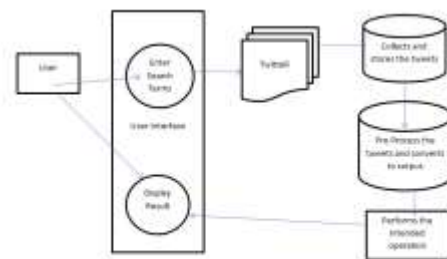
Materials and methods

SYSTEM DESIGN

Architecture Diagram

It gives the basic architecture of the developing project.

Figure:



Architecture Diagram

Module Explanation:

- 1) User:
In this module the users able search data according to their interest.
- 2) Enter Search Terms:

In this module the user has entered data to search the needed term in the social networking sites such as twitter database it has present in the User Interface. Here it is used to collect the data.

3) Twitter:

In this module the term searched in the search term are processed in twitter database. Here we need to synchronize to access the database we need to get permission from twitter sites and after getting the permission we able to access the database and we can able to predicate the data as the user requires to perform the operation.

4) Collect and Store the Tweets:

In this phase, the data has been collected and it is converted into the word image, cloud image and the graph image and it has been stored in the user database to analyze the result for the Particular term and the terms are collected and it is store the tweets of the users and it is sent to the Preprocessing process to convert into the corpus.

5) Pre Process the tweets and converts to corpus:

In this phase it is been processed previously the tweets are been converts to the images and the images are used to get the result according to the user need and the processed data and converted images and the display the result of the tweets which is tweet by the particular user which is used to make analyze the mindset of the particular user.

6) Performance the intended Operation:

The performance are measured with the help of analyses and it has been used for intended operation such as to predicate the analyze of two user's where the data has been converted and used for intended operations with graphical analysis.

7) Display Result:

The Output has been displayed to the user. In the form of word image, cloud image and graph images according to the user needs.

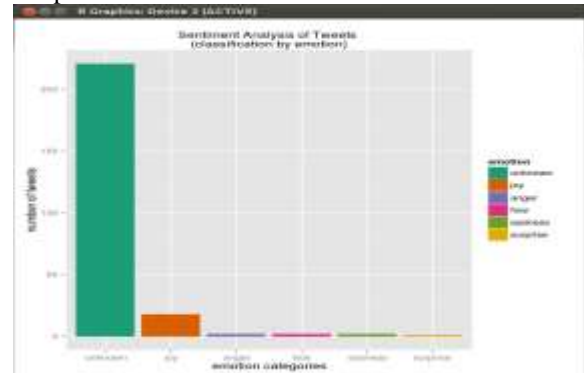
Results and discussion

SELECTION OF PROCESS



OUTPUT OF VIEWS ON GIVEN TERM (EMOTION)

Output Based on Emotion



The figure shows the output of emotion classification of tweets in sentiment mining. Here the emotions joy, anger, fear, sadness, surprise and unknown emotions are classified and depicted as graph.

OUTPUT OF VIEWS ON GIVEN TERM (POLARITY)

Output Based on Polarity

The figure shows the output of tweets classification based on polarity. For classification, the polarity categories considered are negative, positive and neutral.

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K.Arul

I am working as a staff in saveetha university in the department of computer science.

Email: arulk7@gmail.com

Author Bibliography



D.J.MRanganathan

I am doing B.E computer Science in the Saveetha University in the year of 2010 to 2014 during my academic years I submitted this journal of my project.

Email:
ranganathanct@gmail.com