MINI PROJECT REPORT

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SECTION: A

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PROBLEM STATEMENT: ***TWITTER SENTIMENTAL ANALYSIS***

PROBLEM NUMBER: 30

OBJECTIVE: To perform sentiment analysis on twitter data.

To graphically represent the sentiment.

TOOL USED: JUPYTER

LANGUAGE USED: PYTHON

MOTIVATION

As in 5th semester I opted Machine Learning as my elective subject amd studied it. So I thinking to build a project on this for better understanding of the things, meanwhile the list of the project was declared and I saw this project under Kireet Joshi sir in which we have to analyze the tweets.

So this is how I was motivated to do this project.

METHODOLOGY

Sentiment Analysis is the process of determining whether a piece of text writen is positive, negative or neutral. Machine learning techniques are used to evaluate a piece of text and determine the sentiment behind it.

In the code many librares have been imported which are required for the code like numpy, tweepy, re, csv, textblob which have there own usage in the python.

These are main steps that I have followed to complete the code:

Step 1: import libraries

Step 2: create class SentimentalAnalysis

Step 3: Create a constructur to initialize value

Step 4: create function DownloadData

Step 5: Authorize Twitter API client

Step 6: Tokenize tweets

Step 7: Fetch tweets

Step 8: Remove the special characters

Step 9: Select significant features

Step 10: Perform Sentimental Analysis

Step 11: Return sentiment positive, negative, strongly positive, etc

Step 12: Print the output

Step 13: create 3 more functions percentage,cleantweet,plot_pie_graph

Step 14: create he object for class SentimentalAnalysis

Step 15: using the object call the function DownloadData

OUTPUT FOR CODE WILL BE