Sentiment Analysis

Social media posts can be on any topic. Sentiment analysis, analyze the different social media posts and get their feeling about different Topic. Users may feel positive , negative or neutral about it.

Using a Natural language processing , this texts are analyzed and people feelings are captured and Quantified like how many posts feel positive about this and How many people feel negative about this and How many people feel bad about this ?

Twitter is a widely used social media platform. It is one of widely used global platform for public self-expression. Twitter connects users to people, information, ideas, opinions, and news.

This project analyze the sentiment of each tweet. We can search for any Twitter hashtag. It can also help Data Analysts for getting information out of a particular hashtag.

Sentiment analysis used in all the Industries for how customers feel about their Product or service by market Research Team. It is heavily used in Media Industry. Media industry wish to know about Audience feeling about their content like Shows , Movies , Sports Telecasts etc. This is highly connected to subscriptions , Advertisement revenue .

Python language used in this Project.

Libraries Used:

nltk: The Natural Language Toolkit (NLTK) work with human language data for applying in statistical natural language processing (NLP). It contains text processing libraries for tokenization, parsing, classification, stemming, tagging and semantic reasoning.

snscrape: Snscrape is a scraper for social networking services (SNS). It scrapes things like user profiles, hashtags, or searches and returns the discovered items.

Note: We faced Challenges using this. Twiiter has recently made this subscription faced.

googletrans: Googletrans is a free and unlimited python library that implemented Google Translate API. This uses the Google Translate Ajax API to make calls to such methods as detect and translate.

string: String module contains some constants, utility function, and classes for string manipulation.

re: A Regular Expressions (RegEx) is a special sequence of characters that uses a search pattern to find a string or set of strings.

wordcloud: Word Cloud is a data visualization technique used for representing text data in which the size of each word indicates its frequency or importance.

matplotib: Matplotlib is a comprehensive library for creating static, animated, and interactive visualizations in Python.

tkinter: Tkinter is the standard GUI library for Python. Python when combined with Tkinter provides a fast and easy way to create GUI applications.