TWITTOSPHERE

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INTRODUCTION

- Sentiment analysis is a great tool with various industrial use cases. It can identify and analyse many pieces of text automatically and quickly. Through this project we are trying to do the sentiment analysis of live tweets fetched from Twitter using python libraries. It will determine whether a tweet is positive, negative or neutral

DATASET USED

- We are using TextBlob and Tweepy that are python libraries that offers simple API to access methods and perform simple NLP (natural language processing) tasks. The training data for our analyser is also available in this library which has already been classified as positive or negative, trained on Naïve Bayes Classifier.

METHODOLOGY / MODEL USED

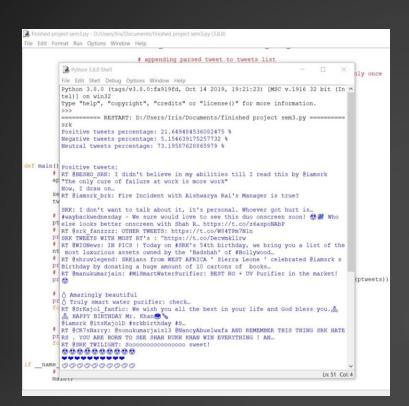Making request for twitter API authorisation to fetch real time tweets for sentiment analysis

Parse the tweets to our python libraries to create Textblob object which will tokenize the tweets i.e. separate words, eliminate stop words like I, am, the etc
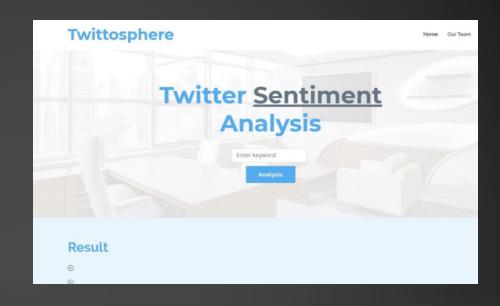
Using Textblob training dataset classify each tweet as positive, negative or neutral

RESULTS ACHIEVED

PERCENTAGE OF POSITIVE, NEGATIVE AND NEUTRAL TWEETS OF ANY KEYWORD IN REAL-TIME.

CONCLUSION

- Sentiment analysis is a tool that evolved as AI and machine learning became more sophisticated and continues to do so. Through our application Twittospere we tried to achieve a model of twitter sentiment analysis with more precise analysing and classifying skills than the other existing ones.

- However, phrases suggesting sarcasm, irony, negation etc are hard to segregate into positive or negative with the available training data. Even a person can sometimes have little trouble identifying such sentences.

REFERENCES

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THANK YOU