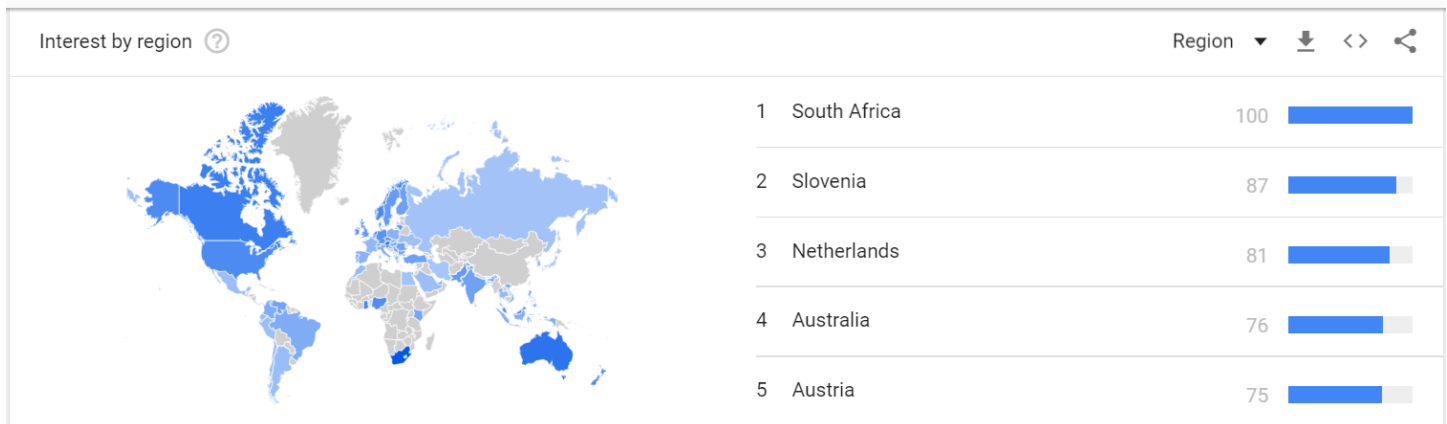


Sentiment Analysis of News Articles on Social Media

● bitcoin

Worldwide, Past 12 months



Overview:

There are various news articles present today, and every moment new ones are coming in. To see the impact of these news on people's emotion in various geographical location is of mass interest. For eg. if Chennai Super King wins a match, how are people reacting to its win, and in which geographical location this news is popular.

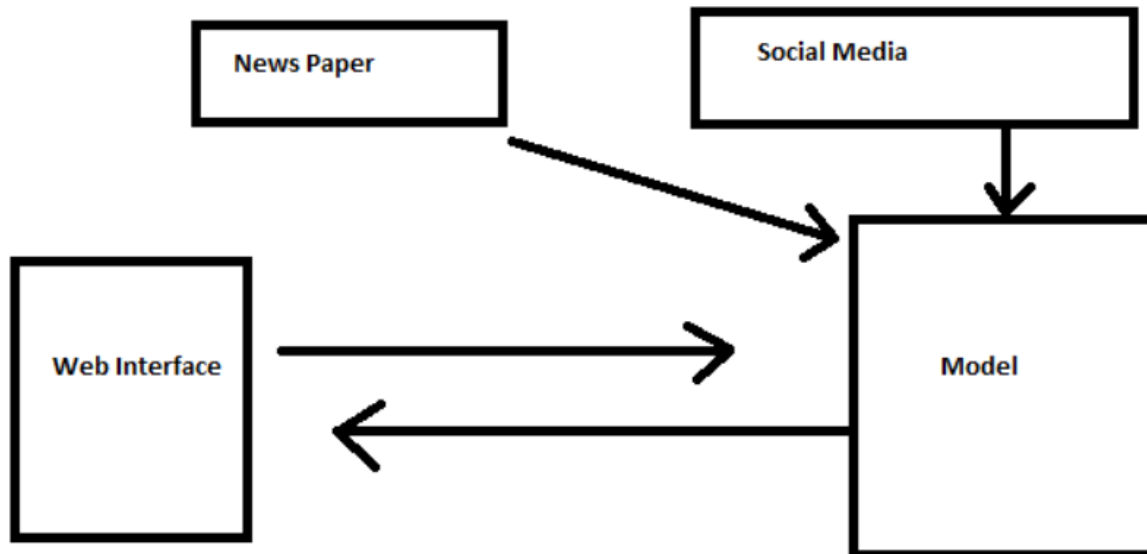
Goal:

To make a web application that shows top trending news articles and their sentiments in geographical locations, and also providing the capability to search a keyword and showing the response of the same.

Data Source:

Will be using various Api's like ScraPy, newsapi, nytimesarticle, Tweepy etc. to extract live and historical data.

Outline and Initial Design:



Data Gathering:

- Analysis of results from various news Api's and selecting the best put of them on useful features

Data Preparation:

Using various Natural Language Processing Techniques to pre-process the data and get significant inputs to provide to the model

Model:

- Based on the the processed texts, get related tweets
- Use sentiment analysis on these tweets to classify whether its positive, negative or neutral
- Map these tweets and there classification on geographical map

Various Technologies to be used:

Docker, NLTK library, WordNet, Flask, Ray, Pipeline, etc.