

Sentiment Analysis of News Articles on Social Media

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, Tweepy etc. to extract live and historical data.

Data Preparation:

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

Various Technologies to be used:

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

Initial Design:

