

PROPOSAL-CLASSIFICATION OF NEWS ARTICLES.

WHY DO WE NEED IT?

The application of sophisticated linguistic analysis to news and social media has grown from an area of research to mature product solutions since 2007. News analytics and news sentiment calculations are now routinely used by both buy-side and sell side in alpha generation, trading execution, risk management, and market surveillance and compliance. There is however a good deal of variation in the quality, effectiveness, and completeness of currently available solutions.

https://en.wikipedia.org/wiki/News_analytics#:~:text=A%20large%20number%20of%20companies,movements%2C%20volatility%20and%20traded%20volume.

In today's day and world where everyday a new hashtag trends and news headlines keep changing, it has become necessary to make automated systems classify news into different tracks and present it effectively to the end user.

An automated machine learning system which will be used to track and identify untagged news from various sources; It will also be further enhanced to make suggestions based on previous user's prior choices.

Why do we need a system which will classify untagged news sources?

The answer to that is in today's tap and scroll world it is important as a consumer to understand what he/she is reading. Any untagged famous articles start surfacing on the internet making it viral within hours. People share it without understanding the information. This sometimes may lead to unnecessary confusion and in some cases may alter a person's view on a topic and this is where an app like this will come into picture.

It will help label the article and will end up making it a little more accurate. It will not only help users realize what category the news falls into, but it may also help into analytics of consumer-news categories, thus allowing many companies to understand the trend in more detail.

BBC news Dataset Link - <http://mlg.ucd.ie/datasets/bbc.html>.

PROTOTYPE FOR THE APP

Enter a news headline

BBC News Classification

Enter a news headline

Find Category

News Category:

App will tag them under one of the many categories

BBC News Classification

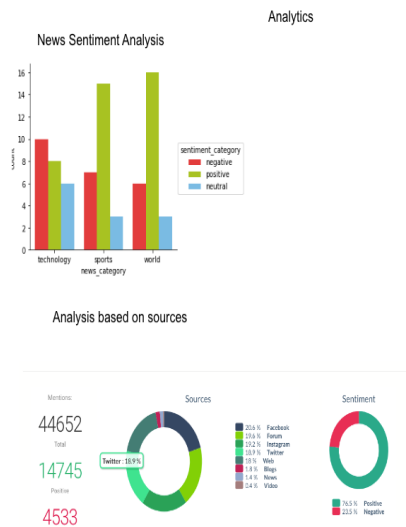
Collins, who won both the [Bronko Nagurski](#) Award as the nation's top defensive player and the Bednarik Award as the defensive player of year, isn't the issue here. It's the decision to take him. Collins will be someone Arizona can groom at inside linebacker and play outside in a pinch

Find Category

News Category:

- SPORTS

Analysis of the news (future scope)



News Analytics app will classify and analyze sentiments of different news headlines.

It will take into consideration top and trending headlines across multiple sources like twitter, facebook, news reports, blogs etc and will generate sentiment analysis graphs.

With these charts users will know which news source has what type of sentiment.

Text classification datasets are used to categorize natural language texts according to content. For example, think classifying news articles by topic, or classifying book reviews based on a positive or negative response. Text classification is also helpful for language detection, organizing customer feedback, and fraud detection. We received 2225 data from Kaggle, which consists of 5 categories in total. The five categories we want to identify are Sports, Business, Politics, Tech, and Entertainment. <https://medium.com/analytics-vidhya/bbc-news-text-classification-a1b2a61af903>

SIMILAR APPS.

1. Google-<https://ai.googleblog.com/>
2. Bloomberg- <https://www.techatbloomberg.com/ai/>
3. Kriptos- <https://www.kriptos.io/>