News Tracker Application

INTRODUCTION

The way we consume news has shifted dramatically in the last decade and having a dedicated website is no longer enough. Users expect updates to be immediately available and accessible via multiple devices, and easy to share across their social media networks. News apps have also become increasingly important for users who want to avoid consuming news via social media and digest news from a reliable source. One of the most common information sharing method is via news and articles available both in physical and digital form. With genuine information helping to make humans a more evolved. There are many news apps available that can keep you abreast of the latest happenings. Lives are very busy these days to cope upwith everything we have in our schedule. Well, that's not possible but reducing the time by changing the conventional method of reading news can help. Just tell us what market news you're interested in and get a quick peek for the day. Only read what you feel is relevant and save your time, The most useful news app for any target audience will depend on their specific needs and subjects of interest. A news application is a big interactive database that tells a news story, a news app can help each reader understand a story in a way that's personally meaningful to them. It can help a reader understand their personal connection to a broad national phenomenon, and help them attach what they know to what they don't know, and thereby encourage a deep understanding of abstract concepts. We tend to build news apps when we have a dataset or think we can acquire a dataset that is national in scope yet granular enough to expose meaningful details.

LITERATURE REVIEW

[1] Fake News Detection Using a Blend of Neural Networks: An Application of Deep Learning: **Artificial intelligence, Convolutional neural networks (CNN), Recurrent neural networks (RNN), Word embedding, 2020.**

Fake news and its consequences carry the potential of impacting different aspects of different entities, ranging from a citizen lifestyle to a country global relations, there are many related works for collecting and determining fake news, but no reliable system is commercially available. This study aims to propose a deep learning model which predicts the nature of an article when given as an input. It solely uses text processing and is insensitive to history and credibility of the author or the source. The proposed model which is the blend of convolutional neural network and recurrent neural networks architecture has achieved benchmark results in fake news prediction, with the utility of word embeddings complementing the model altogether.

ADVANTAGES: The networks is used to detect the fake news, One of the most common information sharing method is via news and articles available both in physical and digital form. With genuine information helping to make humans a more evolved. "Deep learning approaches for data analysis". we have to classify whether News is fake or real.

DISADVANTAGES: The detection of false information is an important issue in the field of Machine Learning and deep learning, Machine learning is a technology that allows you to create intelligent models, which are much more convenient than the traditional physical models. Our results show that these machine learning models can predict weather patterns that are accurate enough to compete with the traditional ones.

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[2] TOPIC Detection and Tracking in News Application: **Detecting, Tracking, Text Mining, Extract, Information, Unstructured, Agglomerative, Similarity, KNN Classifier Vector Space model(VSM),**

2019.

Topic detection and tracking are used in text mining process. From data which are unstructured in text mining we extracts previously unknown and useful information. The main purpose of this paper is to identify and follow tasks occurred in different news sources. We are going to use agglomerative clustering based on average linkage for detecting the topics, calculate the similarity of topics using cosine similarity.

ADVANTAGES: This Application is used to detection and tracking the news, The main purpose of this paper is to identify and follow tasks occurred in different news sources. we identify the clusters that fall into same category. Text mining utilizes techniques from the field of data mining, combines methodologies from various other areas such as categorization, information retrieval, clustering, summarization, information extraction, computational linguistics, concept linkage and topic tracking.

DISADVANTAGES: This Further research is to implement the farthest distance to detect and tracking because of average distance measure for topic detection and K-nearest neighbour classifier for topic Tracking. As well as it makes the fewest assumptions of about terms, stories and efficient decisions surface for the tracking task. For future work we will detect and track broadcast news.

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[3] Analysing and understanding news consumption patterns by tracking online user behaviour with a multimodal research design: Tracking, Text Mining, Eye tracking, Extract, Information, world embedding, IEEE,

2017.

Only recently scholars started to experiment with gathering real-world data of Web behaviour by monitoring a group of respondents. In this article we describe the set-up of 'The News tracker', a tool that primarily allowed us to analyse online news consumption of a group of young Dutch news users on their desktop and laptop computers. We demonstrate the workflow of the News tracker and how we designed the data collection and pre-processing phase. By reflecting on the technical, methodological, and analytical challenges we encountered, we illustrate the potential of online monitoring tools such as the News tracker.

ADVANTAGES: The News tracker is a custom-built system that collects Web activities of specified and authenticated users, cleans the data by removing non-relevant data, extracts the associated content, and stores this as a new data set to be used for analysis. To create the News tracker, we applied two out of several data mining techniques: Web usage mining and Web content mining . the News tracker to study how the consumption of news websites fits in the daily surfing behaviour of university students. We tracked the Web behaviour of forty-two university students.

DISADVANTAGES: General and Conventional News websites are, e.g., visited during the whole day, while traffic to websites with Lifestyle news increases during the day. we would like to elaborate on the results we found when we analysed how our respondents navigated to news websites. Since our News tracker did not only register what sites people visited but also on which day and at what time, we manually analysed in which order each news website had been visited. This refers to the allegedly decreasing role of the homepage as means of generating traffic to websites, compared to social media platforms that are expected to increasingly generate Web traffic.

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