NEWS TRACKER APPLICATION

INTRODUCTION:

News is one of the primary source of gaining information about the actions and events that happen all around. It may be an event that happened in the past, happening now or going to happen in the future. In the present days where there is a rapid increase in the development and adaptability of technologies throughout all the demographic of people, it is necessary to provide news in such a way that it is interconnected with the current technological trends.

As our lives are very busy these days, we often feel we need more than 24 hrs. a day to cope up with 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. This app helps you to query for all information about Indices, Commodities, Currencies, Future Rates, Bonds, etc.... as on official websites.

LITERATURE SURVEY:

[1] Authors: Marios Constantinide s, John Dowell, David Johson, Sylvain Malacria.

Title: Exploring mobile news reading interactions for news app personalisation.

Published in: Auguest,2015.

Identification of news reader types , Interaction logging and classification study ,Deployment and data collection ,Predicting News reader Types and Adaptive UI.

[2] Authors: Sagar Patel, Sanket Suthar, Sandip Patel, Neha Patel.

Title: Detection and Tracking in News Articles.

Published in: March,2015.

Pre- processing ,Tokenization,Stemming/L Emmization, Vector Space Model and Topic tracking.

[3] Authors: Michael William McCracken.

Title: Following the Fed with a News Tracker.

Published in: January,2012.

The paper is not a technical paper but is essentially a statistical paper on how should one conclude whether the data have come in stronger, weaker or as expected. This is based on the CitiGroup U.S Economic Surprise Index. The framework combines Snorkel- based weakly- supervised classification, Latent Dirichlet Allocation (LDA) topic modeling, and topic signal detection model

to classify and aggregate unlabeled news texts and ultimately generate visualized results containing news categories, news topics, and temporal topic relationships.

[4] Authors: Xijin Tang, Xiaohui Huang

Title: An End-to-end Weakly- supervised News Aggregation Framework

Published in: June,2022.

This paper uses constructed knowledge thesaurus and the Snorkel method to weakly supervise the classification of unlabeled news with no manual tagging. Subsequently, we utilize LDA to generate the topics and obtain the signal value of each topic based on the topic signal detection function. Finally, we establish the temporal topic relationships and get the visualized results of news aggregation.

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- Ofcom, News consumption in the UK, Public report(2014).
- Pew Research Centre, The Future of Mobile News, Public report (2012).
- Reuters Institute, Tracking the future of news, Public Report (2014)
- Westlund, O. From mobile phone to mobile device: News consumption on the go. Canadian Journal of Communication (2008), 33(3).
- A Cloud-based Framework for COVID-19 Media Classification, Information Extraction, and Trends Analysis(2021)
- Using Cloud Computing capabilities on the example of implementing a News Application-Function(2015)

CONCLUSION:

We explored the feasibility of recognising patterns of news reading interactions and evaluated three adaptive interface designs for different news reader types. We show that from their interaction log, a specific user can be recognised as one of three kinds. The reader types emerging from the online survey are well defined and distinct. The evaluation of the three variant interfaces suggests that different news reader types need different user interfaces. We have demonstrated a method for monitoring users' news reading behaviour and inferring news reader type from it. In the future we will further explore the design of adaptive interfaces, in order to be in a position to demonstrate a complete adaptive mobile news framework providing automatic personalisation of news apps.