
News Tracker Application

Introduction

Newspaper is one of the most popular and required assets of our daily lives. And, in today's hectic world, reading newspaper has become one of the traditional ways of reading the news. With the news being created every minute and relayed through TV, radio and internet, the updated news is already old by the next morning. And, that's why newspaper and magazine publishers are struggling to keep-up with the pace. Change is needed and publishers must embrace mobile. Today, the publishing industry is facing such a threat when it comes to newspaper publishing and sales. So, [magazine and newspaper](#) lovers are moving towards reading news on mobiles and tablets. The revenue model of the online apps are quite simple and rewarding. They run ads and generate a good amount of money. The option of filtering the content based on different category should be incorporated in the app to provide the audience wide taste and sensibilities. So the users can read news that matters to them.

Literature survey

Here, we will take a look at all the previous solutions, attempts and implementations to the news tracker application or anything that is atleast vaguely related to it.

Existing Solutions

Dailyhunt, googlenews, are popular website to read ongoing and past news via the internet browsers. The website works by aggregating news from various sources and presents them in a likeable manner for the users to read it. The website also offers the ability for users to sign up to the so said website and record their progress, manage profiles, no. of news read, bookmark news, commenting on news ends and so on.

S.No	Paper Title	Author(s)	Month /Year	Method/Implementation technique(s)	Resource Link
1	Exploring mobile news reading interactions for news app personalisation	Marios Constantinides, John Dowell, David Johson, Sylvain Malacria	August, 2015	<ol style="list-style-type: none"> 1. Identification of news reader types 2. Interaction logging and classification study 3. Deployment and data collection 4. Predicting News readertypes 5. Adaptive UI 	(PDF) Exploring mobile news reading interactions for news app personalisation (researchgate.net)
2	Detection and Tracking in NewsArticles	Sagar Patel, Sanket Suthar, Sandip Patel, Neha Patel	March, 2015	<ol style="list-style-type: none"> 1. Pre-processing 2. Tokenization 3. Stemming/Lemmization 4. Vector Space Model 5. Topic tracking 	(PDF) Topic Detection and Tracking in News Articles (researchgate.net)
3	Following the Fed with a NewsTracker	Michael William McCracken	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.	(PDF) Following the Fed with a News Tracker (researchgate.net)

4	An End-to-end Weakly-supervised News Aggregation Framework	Xijin Tang, Xiaohui Huang	June, 2022	<p>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. 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.</p>	<p>An End-to-end Weakly-supervised News Aggregation Framework Request PDF (researchgate.net)</p>
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