News Tracker Application

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Introduction

With the rapid development of the Internet and its permeability, people get to know the latest news through online media, blogs and news feeds. Nowadays, news reading is an indispensable daily activity of many people. Withthe recent popularity of smart mobiles and the rapid development of the mobileWeb, more and more people tend to read news online via their mobiles or otherhandheld devices, e.g., tablets. However, due to the huge volume of news articles generated every day, readers cannot afford to go through all the news online. So, news recommendation systems, which aim to filter out irrelevant online information and recommend to users their preferred news, have been widely studied. For easy organization, news aggregators that allow a single placeto view news from various sources using API.

Literature survey

S.No	**Paper Title**	**Author(s)**	**Month /Year**	**Method/Implementation technique(s)**
1	An End-to-end Weakly-	Xijin Tang,	June,	The framework combines Snorkel- based weakly- supervised classification, Latent

	supervised News Aggregation Framework	Xiaohui Huang	2022	Dirichlet Allocation (LDA) topic modeling, and topic signal detection model to classify and aggregate unlabeled news.
2	Exploring mobile news reading interactions fornews app personalisation	Marios Constantinides, John Dowell, David Johson, Sylvain Malacria	August, 2015	1. Identification of news reader types 2. Interaction logging and classification study 3. Deployment and data collection 4. Predicting News reader types 5. Adaptive UI
3	Detection and Tracking in News Articles	Sagar Patel, Sanket Suthar, Sandip Patel, NehaPatel	March, 2015	1. Pre- processing 2. Tokenization 3. Stemming/Lemmization 4. Vector Space Model 5. Topic tracking

4	Following the Fed with a News Tracker	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 datahave come in stronger, weaker or as expected. This is based on the CitiGroup U.S Economic Surprise Index.

Reference:

[1] Hulth A. Combining machine learning and natural language processing forautomatic keyword extraction. Stockholm University, Faculty of Social Sciences, Department of Computer and Systems Sciences (together with KTH), 2004.

[2] Anton Mykhailiuk, A creation of the linguistic ontology based on astructured electronic encyclopedic resource, Anton Mykhailiuk, Olena Mykhailiuk, Oleksiy Pylypchuk, Volodymyr Tarasenko, International Journalof Computing, 13(1) 2014, 1-2

[3] Role of Natural Language Processing in Community Structure Detection - http://www.academia.edu/768236/Role_of_Natural_Language_Processing _in_Community_Structure_Detection

[4] An Update on ASP.NET Core and .NET Core - https://blogs.msdn.microsoft.com/webdev/2016/02/01/ an-update-on-asp-netcore-and-net-core/