

Literature Survey

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1)Topic detection and tracking in News Articles

Digital news continues to evolve, encouraged by a various innovations in recent time, from groundbreaking new technologies like virtual reality and automated reporting to experiments on social platforms that have altered campaign coverage. Topic detection and tracking is challenging topic in information retrieval technology that can be used in the text mining. In topic detection we finding the most important topics in a collection of news articles.

Topic detection is an unsupervised task and topic tracking is supervised task. We are going to use agglomerative clustering to create topic clusters and KNN classifier for tracking topics. To identify the serious news, we identify the clusters that fall into same category.

The main purpose of research is to identify interesting events happens in the world. Analysts are continuously trying to identify latest news and stories from very large sources of information that arrives daily. So for journalist it is easy to understand and identify actual events. The objective is to decompose topics is to extract the events which never seen before and combine them which represents same news stories. The scope of the research is text in news articles obtained from the various newspaper websites. 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.

https://www.researchgate.net/publication/315657099_Topic_Detection_and_Tracking_in_News_Articles

2) Exploring mobile news reading interactions for news app personalisation

MobileHCI '15: 17th International Conference on Human-Computer Interaction with Mobile Devices and Services, August 2015

As news is increasingly accessed on smartphones and tablets, the need for personalising news app interactions is apparent. The research paper reports results of 3 studies addressing key issues in the development of adaptive news app interfaces. Users' news reading preferences and behaviours were first surveyed; analysis revealed three primary types of reader. Implementation and deployment of an Android news app that logs users' interactions with the app was done.

The news app used the logs to train a classifier and showed that it is able to reliably recognise a user according to their reader type. The alternative, adaptive user interfaces for each reader type was evaluated. The evaluation demonstrates the differential benefit of the adaptation for different users of the news app and the feasibility of adaptive interfaces for news apps.

The feasibility of recognising patterns of news reading interactions and evaluated three adaptive interface designs for different news reader types were researched and established. It was also shown 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 suggested that different news reader types need different user interfaces. The paper demonstrated a method for monitoring users' news reading behaviour and inferring news reader type from it.

https://www.researchgate.net/publication/299870645_Exploring_mobile_news_reading_interactions_for_news_app_personalisation

3) A Systematic Review on the Profiling of Digital News Portal for Big Data Veracity

Digital news portals have been one of the most important news sources for Internet users. However, the way it is written depends on the direction of the content. One approach to news reporting is through manipulative writing. Such method of writing has created a number of adverse outcomes such as political unrest, slander and negative perception towards the particular organization, personnel, and country. It is important for readers to choose and select news portal that is reporting positively and to neglect portals which practices manipulative writing approach for their own gains or causing negative impact towards the community. The aim of this study is to structure and analyzed the literature related to data veracity research that can be used to the profile of digital news portal. The method that has been used in this paper is to classify and define data veracity; a systematic literature review is a conduct. It includes journal and conference proceedings. The results come out with objectives in data veracity, the structure of research topics, research trends with publications and framework veracity model validated. This paper provides a complete review of literature related to profiling digital news portal in data veracity.

<https://pdf.sciencedirectassets.com/280203/1-s2.0-S1877050915X00366/1-s2.0-S1877050915036157/main.pdf>

4) NEWSPAPER APPS FOR TABLETS AND SMARTPHONES IN DIFFERENT MEDIA SYSTEMS: A COMPARATIVE ANALYSIS

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This paper proposes a comparative analysis of the newspaper apps developed for tablets and smartphones within different media systems. It studies the multimediality, interactivity and commercialization models adopted by newspaper publishers and journalists for these apps. The theoretical framework embraces two main topics: the media system models, starting from Hallin and Mancini's proposal, and the characteristics of the media systems, particularly in the countries selected for this sample, focusing on the digital and mobile media scenario. In order to collect comparable data from a common source, we have selected indicators from Reuters Institute Digital News Report 2016. The total number of app versions analyzed came to 148 (81 for smartphones and 67 for tablets) from 20 newspapers in 10 different countries. One conclusion is that newspapers' commitment to the tablet and smartphone in general tends to be conservative and far from independent of pre-existing print and web-based media. The paper shows how media systems have become more complex in the digital scenario, in which apps are an important, but not exclusive, aspect. So it is necessary to take into account trends in news globalization and 'convergent journalism'. Finally this research confirms that crossplatform management and multichannel strategies are still weak, which has consequences for the innovation of app editions.

5) Impact of Smartphone News Apps on Print Media

News magazine being an important part of the Print Media industry has so far been affected by World Wide Web and currently by the Smartphone Apps. They have just entered the industry with great promises and potential. This paper focuses on the impact of news apps on the news magazines will provide an opportunity to understand how readers look at both technology and decide on using them. The study used a survey method by questionnaire distributed by both direct and online mode. A conceptual model with Twin TAM framework was proposed for the study as the research requires considering two technologies simultaneously.

Usefulness and Ease of Use of both technologies has an influence on attitude towards News Apps and Print Media respectively. Positive attitude towards print media creates more dissonance in presence of Attitude towards News Apps. Apparently, if the attitude is positive then the dissonance will be more in case of print magazine. Also, reverse is the case of news apps. Finally, dissonance is found to reduce the intention to use News Apps. This paper provides implication to print media industry based on previous cases.

https://www.researchgate.net/publication/274732286_Impact_of_Smartphone_News_Apps_on_Print_Media_-_A_Twin_TAM_Framework