News Tracker Application

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LITERATURE SURVEY

1.1 TITLE: Exploring mobile news reading interactions for news app

AUTHOR: John Dowell

DESCRIPTION:

As news is increasingly accessed on smartphones and tablets, the need for personalising news app interactions is apparent. We report a series of three studies addressing key issues in the development of adaptive news app interfaces. We first surveyed users' news reading preferences and behaviours; analysis revealed three primary types of reader. We then implemented and deployed an Android news app that logs users' interactions with the app. We used the logs to train a classifier and showed that it is able to reliably recognise a user according to their reader type. Finally we evaluated alternative, adaptive user interfaces for each reader type.

PUBLISHED IN: August, 2015

1.2 TITLE: Detection and Tracking in News Articles

AUTHOR: Sagar Patel

DESCRIPTION:

We have presented an idea in this paper for detecting and tracking topics from news articles. 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 and KNN classifier for tracking the topics.

PUBLISHED IN: March, 2015

1.3 TITLE: Following the Fed with a News Tracker

AUTHOR: Michael William McCracken

DESCRIPTION:

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.

PUBLISHED IN: January, 2012

1.4 TITLE: End-to-end Weakly-supervised News Aggregation Framework

AUTHOR: Xijin Tang, Xiaohui Huang

DESCRIPTION:

On the Internet era, there are plenty of important events hidden in the mass of news media. Using automated tools to aggregate the valuable media news relative to those events is meaningful for specific media data. In this paper, we present an end-to-end weakly-supervised news aggregation framework that enables tracking the evolution of topics from news. 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.