IBM NALAIYA THIRAN

NEWS TRACKER APPLICATION

TEAM ID:PNT2022TMID47788

DOMAIN:CLOUDAPPLICATIONDEVELOPMENT

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LITERATURESURVEY:

I. An Approach to News Event Detection and Tracking Based on Stream ofOnlineNews

Source:IEEEXplore

Authors: YajieQi,Li Zhou, HuayouSi, JianWan, Ting Jin.

Websites:https://ieeexplore.ieee.org/document/8048142

AboutthePaper:

Once an event occurs, usually there are a large number of online news to bereleased. How to quickly and accurately detect the hot events from the huge amount ofonline news is the focus and hotspot. Event detection and tracking technology is as a keytechnologytosolvethisproblem.Inthispaper,weproposeanapproachtodetecthoteventsfro mtheonlinenewsstreaminatimelymannerandtrackthehotevents.Basedontheideaof single-pass clustering algorithm, this approach addresses the weight of keywords andproposes a new method to calculate similarity among news to track event. Through theanalysis of the experimental results, we can find that this algorithm has a good effect onhotevent detection.

II. Exploring Mobile News Reading Interactions for News AppPersonalisation

Source: ResearchGate

Authors: MariosConstantinides,JohnDowell,DavidJohnson,SylvainMalacria.

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

AboutthePaper:

Asnewsisincreasinglyaccessedonsmartphonesandtablets,theneedforpersonalisingnewsappinteractionsisapparent.Wereportaseriesofthreestudiesaddressingkeyissuesinthedevelopmentof adaptivenewsappinterfaces.We firstsurveyed users' news reading preferences and behaviors; analysis revealed three primarytypes of reader. We then implemented and deployed an Android news app that logs users'interactionswiththeapp.Weusedthelogstotrainaclassifierandshowedthatitisabletoreliably recognise a user according to their reader type. Finally, we evaluated alternative,adaptive user interfaces for each reader type. The evaluation demonstrates the differentialbenefit of the adaptation for different users of the news app and the feasibility of adaptiveinterfacesfornews apps.

III. AndroidNewsApp

Source: Research IndiaPublications

Authors: BrijeshJoshi,NehalPatel.

Websites:https://www.ripublication.com/ijaer18/ijaerv13n11_78.pdf

AboutthePaper:

Asworld’stechnologyisrapidlygrowing,wehavefastconnectionandnetworktoinstantlyconnecttootherperson.Daytodayuseinmobile,tabletsandlaptopisincreasing,most of the people already have this facilities. In this fast and information oriented worldwe need to stay updated with every incidents and news too. This News app is androidmobileapplicationwhereuserhaveaccesstolatestnewsfrom120+newspapersfrom50+ countries. The main focus of this application is to connect news articles from all aroundtheworld and deliver itto user as fastas possible in bestvisualizeway.

IV. ResearchonTopicDetectionandTracking forOnlineNewsTexts

Source:IEEEXplore

Authors: GuixianXu,YuetingMeng,ZhanChen,XiaoyuQiu,Changzhi Wang,HaishenYao.

Websites:https://ieeexplore.ieee.org/document/8703401

AboutthePaper:

Withtherapiddevelopmentof theInternet,theamountofdatahasgrownexponentially. On the one hand, the accumulation of big data provides the basic supportforartificialintelligence.Ontheotherhand,inthefaceofsuchhugedatainformation,how toextracttheknowledgeofinterestfromithasbecomeamatterofgeneralconcern. Topictracking can help people to explore the process of topic development from the huge andcomplexnetworktextsinformation.Byeffectivelyorganizinglarge-scalenewsdocuments,amethodforthe evolutionofnewstopicsovertimeisproposedinthispapertorealizethetracking and evolution of topics in the news text set. First, the LDA (latent Dirichletallocation)modelisusedtoextracttopicsfromnewstextsandtheGibbsSamplingmetho dis used to speculate parameters. The topic mining using the K-means method is comparedtohighlighttheadvantagesofusingLDAfortopicdiscovery.Second,theimprovedsin gle-pass algorithm is used to track news topics. The JS (Jensen-Shannon) divergence is usedto measure the topic similarity, and the time decay function is introduced to improve thesimilarity between topics with the similar time. Finally, the strength of the news topic andthe content change of the topic in different time windows are analyzed. The experimentsshowthattheproposedmethodcaneffectivelydetectandtrackthetopicandclearlyr eflectthe trendoftopicevolution.