IBM NALAIYATHIRAN

NEWS TRACKER APPLICATION

TEAM ID:PNT2022TMID09776

DOMAIN:CLOUD APPLICATION DEVELOPMENT

BATCH:B11-5A1E

TEAM MEMBERS:

1. SURESH G
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LITERATURESURVEY:

I.AnApproachtoNewsEventDetectionandTrackingBasedonStreamofOnlineNews

Source:IEEEXplore

Authors: YajieQi, LiZhou, HuayouSi, JianWan, TingJin.

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

AboutthePaper:

Onceaneventoccurs,usuallytherearealargenumberofonlinenewstobereleased.Howto quicklyandaccuratelydetectthehoteventsfromthehugeamountofonlinenewsisthefocusandho tspot.Eventdetectionandtrackingtechnologyisasakeytechnologytosolvethisproblem.Inthisp aper,weproposeanapproachtodetecthoteventsfromtheonlinenewsstreaminatimelymanneran dtrackthehotevents.Basedontheideaofsingle-passclusteringalgorithm,thisapproachaddressestheweightofkeywordsandproposesanewmet hodtocalculatesimilarityamongnewstotrackevent.Throughtheanalysisoftheexperimentalres ults,wecanfindthatthisalgorithmhasagoodeffectonhoteventdetection.

II.ExploringMobileNewsReadingInteractionsforNewsAppPersonalisation

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.Wereportaseriesofthreestudiesaddressingkeyissuesinthedevelopmentofadaptivenewsappinterfaces.Wefirstsurveyedusers'newsreadingpreferencesandbehaviors;analysisrevealedthreeprimarytypesofreader.Wethenimplementedanddeployedan Androidnewsappthatlogsusers'interactionswiththeapp.Weusedthelogstotrainaclassifierandshowedthatitisabletoreliablyrecogniseauseraccordingtotheirreadertype.Finally,weevaluatedalternative,adaptiveuserinterfacesforeachreadertype.Theevaluationdemonstratesthedifferentialbenefitoftheadaptationfordifferentusersofthenewsappandthefeasibilityofadaptiveinterfacesfornewsapps.

III.AndroidNewsApp

Source: ResearchIndiaPublications

Authors: BrijeshJoshi,NehalPatel.

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

AboutthePaper:

Asworld’stechnologyisrapidlygrowing,wehavefastconnectionandnetworktoinstantlyconnecttootherperson.Daytodayuseinmobile,tabletsandlaptopisincreasing,mostofthepeoplealreadyhavethisfacilities.Inthisfastandinformationorientedworldweneedtostayupdatedwitheveryincidentsandnewstoo.ThisNewsappisandroidmobileapplicationwhereuserhaveaccesstolatestnewsfrom120+newspapersfrom50+countries.Themainfocusofthisapplicationistoconnectnewsarticlesfromallaroundtheworldanddeliverittouserasfastaspossibleinbestvisualizeway.

IV.ResearchonTopicDetectionandTrackingforOnlineNewsTexts

Source:IEEEXplore

Authors: GuixianXu,YuetingMeng,ZhanChen,XiaoyuQiu,ChangzhiWang,HaisheнYao.

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

AboutthePaper:

Withtherapiddevelopmentof theInternet,theamountofdatahasgrownexponentially.Ontheonehand,theaccumulationofbigdataprovidesthebasicsupportforartificialintelligence.Ontheotherhand,inthefaceofsuchhugedatainformation,howtoextracttheknowledgeofinterestfromithasbecomeamatterofgeneralconcern.Topictrackingcanhelppeopletoexploretheprocessoftopicdevelopmentfromthehugeandcomplexnetworktextsinformation.Byeffectivelyorganizinglarge-scalenewsdocuments,amethodfortheevolutionofnewstopicsovertimeisproposedinthispapertorealizethetrackingandevolutionoftopicsinthenewstextset.First,theLDA(latentDirichletallocation)modelisusedtoextracttopicsfromnewstextsandtheGibbsSamplingmethodisusedtospeculateparameters.ThetopicminingusingtheK-meansmethodiscomparedtohighlighttheadvantagesofusingLDAfortopicdiscovery.Second,theimprovedsingle-passalgorithmisusedtotracknewstopics.TheJS(Jensen-Shannon)divergenceisusedtomeasurethetopicsimilarity,andthetimedecayfunctionisintroducedtoimprovethesimilaritybetweentopicswiththesimilartime.Finally,thestrengthofthenewstopicandthecontentchangeofthetopicindifferenttimewindowsareanalyzed.Theexperimentsshowthattheproposedmethodcaneffectivelydetectandtrackthetopicandclearlyreflectthetrendoftopicevolution.