DEMO FILE INFORMATION RETRIEVAL AND WEB SEARCH (COMP 6791)

CONCORDIA UNIVERSITY

PROJECT 4

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UPPER BOUND

At the beginning of the running code it's gonna ask the user that:-

"How many pages you want to crawl?"

Based on the answer that many pages will be crawled and downloaded.

CLUSTERING RESULTS FOR K=3

Cluster number 0:

Top 50 terms are:

[

quartier, conrad, café, cotutelle, streets, prizes, faq, visitors, tours, sector, units, spotlig hts, postdocs, governance, partnerships, shuttle, integrity, involved, bus, sustainability, orientation, abroad, history, operative, bipoc, offices, jobs, test, administration, global, facts, data, food, tuition, external, perspectives, researchers, fitness, athletics, continuing, language, engagement, chairs, black, fast, directions, aid, strategic, fees, residence

J

Possible Cluster Name: - Transit Mediums and Administrative Services.

Cluster number 1:

Top 50 terms are:

[

efollettskip,content,main,november,december,williams,george,sir,loyola,blvd,mai sonneuve,de,hg,page,canada,montreal,back,menu,skip,site,www,en,html,universi tyhttps,call,friends,street,campaign,directories,accessibility,centre,media,privacy, feedback,sgw,hb,map,expend,parents,study,academic,terms,search,news,new,campus,support,students,website,sherbrooke

1

Possible Cluster Name: Loyola Campus and its Student Support Services.

Cluster number 2:

Top 50 terms are:

sign,help,account,outlook,moodle,cu,schedule,find,hours,us,you,opportunities,ca, concordia,university,support,new,emergency,computer,students,terms,campus,st udy,search,contact,latest,events,maps,marketing,news,website,academic,general,share,online,linkedin,twitter,social,facebook,instagram,create,flickr,youtube,con nect,myconcordia,cody,arts,schedules,colleges,services

1

Possible Cluster Name:- Concordia University Latest events.

AFINN SCORES FOR CLUSTERING RESULTS WITH K=3

Sentiment score of Cluster 0 using AFINN: 4.0

(Positive Sentiment)

Sentiment score of Cluster 1 using AFINN: 2.0

(Positive Sentiment)

Sentiment score of Cluster 2 using AFINN: 5.0

(Positive Sentiment)

CLUSTERING RESULTS FOR K=6

Cluster number 0:

Top 50 terms are:

[

returns, collaborations, browzine, nod, annotated, citing, broken, scan, papers, scanne r, edition, delivery, scanners, copiers, periodicals, spotlight, vanier, tablets, authors, wik ipedian, booking, borrow, an, wi, laptops, printers, improvement, readings, interlibrary, community december, microforms, intercampus, citation, citations, zotero, memoirs, bibliometrics, thanks, journals, checkouts, sofia, deposit, retro, or cid, bibliographies, ex hibition november, spectrum, users, bound, reserves

1

Possible Cluster Name: - Campus Services of Digital equipments.

Cluster number 1:

Top 50 terms are:

[

art,centres,human,interdisciplinary,exchange,technology,design,materials,biology,chain,supply,environment,physiology,biochemistry,kinesiology,applied,society,aerospace,cinema,dance,chairs,journalism,diversity,public,accountancy,environmental,contemporary,therapies,diverse,systems,humanities,summer,jewish,home,sciences,canadian,chemistry,mathematics,psychology,studio,music,institute,planning,finance,industrial,languages,modern,anthropology,hoppenheim,françaises

]

Possible Cluster Name: - Courses Available.

Cluster number 2:

Top 50 terms are:

[

sign,main,content,page,help,support,new,policy,experience,necessary,analytical,t echnical,function,accept,properly,possible,cookies,uses,preference,best,contact, marketing,us,www,online,universityhttps,share,menu,en,linkedin,facebook,creat e,instagram,twitter,html,site,flickr,skip,social,youtube,academic,website,news,we bmail,resourcescampus,ofengineering,relationsfaculties,serviceswhat,university,c oncordia

1

Possible Cluster Name: - Social Media and Online Support.

Cluster number 3:

Top 50 terms are:

[

info,networks,different,like,value,features,generated,and,researchteachinglearning,rotate,or,located,ensembles,people_places_entities,club,ience,pt,general_interest,ambassadors,active_living,self_care,zen_den,mental_health,healthy_living,empathic_listening,trained,zeynep,we,origin,arsel,keyword,campuses,concerts,audiences,know,let,little,screen,loy,markets,degrees,close,things,try,think,oscar,whole,peterson,countries,jump

1

Possible Cluster Name:-Healthy Living Lifestyle.

Cluster number 4:

Top 50 terms are:

[

ga,mu,td,va,ci,mi,fg,sb,er,pr,gm,fa,rr,mb,gn,lb,fb,ev,bike,rack,kiosk,cl,ls,vendôme, wheelchair,atm,legend,ld,cb,enforcement,gs,commuter,métro,panoramas,all,goo gle,parking,faqs,getting,west,rules,guy,accessible,buildings,using,bus,shuttle,direc tions,ps,vl

1

Possible Cluster Name:- Transit mediums.

Cluster number 5:

Top 50 terms are:

[

prizes, faq, quartier, cotutelle, café, conrad, streets, visitors, postdocs, spotlights, gover nance, partnerships, units, tours, bus, shuttle, involved, sector, integrity, operative, offices, test, jobs, bipoc, external, data, orientation, abroad, food, global, facts, tuition, sust ainability, history, engagement, athletics, administration, continuing, language, chairs, researchers, perspectives, residence, strategic, fees, fitness, aid, directions, fast, black

1

Possible Cluster Name: - Administration Support and Services.

AFINN SCORES FOR CLUSTERING RESULTS WITH K=6

Sentiment score of Cluster 0 using AFINN: 3.0

(Positive Sentiment)

Sentiment score of Cluster 1 using AFINN: 0.0

(Neutral Sentiment)

Sentiment score of Cluster 2 using AFINN: 9.0

(Positive Sentiment)

Sentiment score of Cluster 3 using AFINN: 2.0

(Positive Sentiment)

Sentiment score of Cluster 4 using AFINN: 1.0

(Positive Sentiment)

Sentiment score of Cluster 5 using AFINN: 4.0

(Positive Sentiment)

CONCLUSION

- Overall, for both k=3 and k=6 the sentiment score was inclined towards positive sentiment.
- Top 50 terms of each cluster are very relatable to each other hence one can say that optimized clusters are formed.

NOTE

JUST RUN Clustering.py.

File Present in Web_Crawler\WebCrawler\WebCrawler\spiders\