Name: Shobhit Agarwal USC ID: 6473476393 CS 572 Homework 1

RQ1: Which search engine performs best when considering the first five results for a given query?

Both the search engines seem to be similar in their search results. According to the below relevancy data and the graphs built in the spreadsheet, and comparing the top 5 search results from Google and Bing, both the search engines seem to have similar results. Considering the informational queries, Google and Bing had similar relevancy score, with a lot of overlapping results as well, however when we look at the Navigational Queries, Google seems to be performing slightly better than Bing. Their result set also does not overlap to that extent when compared with the informational queries.

Furthermore, considering query 13 as well, Google provided a better result set without any overlapping results with Bing, as well as there was no relevant search result from Bing.

Therefore, considering all the thirteen queries and their result set, I would prefer Google and say that Google is a better search engine than Bing.

RQ2: Is there a difference in relevance between the search engines when considering informational queries and navigational queries, respectively?

Informational Queries:

While considering the informational queries (Query 1-9), both the search engines seem to be performing relatively similar to each other while considering the top 5 search results returned from the search. There were a lot of overlapping results from the two search engines (as can be seen from the graph in 2.2 in the spreadsheet). The order of the result might differ but considering the relevancy both the search engines were similar. Considering the graphs from 2.3 in spreadsheet, we can see that the relevancy score of both the search engines are similar with Google performing better in one query and Bing performing better in the other.

So overall I would say that both Google and Bing seem to be similar for Informational Queries.

Navigational Queries:

While considering the navigational queries (Query 10-12), Google seems to be performing slightly better than Bing. As can be seen from the graph in 2.2 in spreadsheet, very few overlapping results in the two search engines. The graphs from 2.1 also depict that Google scored a higher relevancy in the top 5 results as compared with Bing.

Considering the graphs from 2.3 in the spreadsheet, Google seem to be performing better than Bing. The search results from Google were more relevant to the search query. Overall, I would rate Google to be performing better with more relevant search results for navigational queries.

Query 1 Pamela McCann Price

Query 1	Pamela McCann Price		
Google	Bing	Google Relevance	Bing Relevance
https://priceschool. usc.edu/pamela- mccann/	https://priceschool. usc.edu/pamela- mccann/	1	1
https://bedrosian.us c.edu/faculty/pamel a-mccann/	https://bedrosian.us c.edu/faculty/pamel a-mccann/	1	1
https://scholar.goog le.com/citations?use r=xWzmAEcAAAAJ& hl=en	http://batten.virgini a.edu/research/spea kers/pamela- mccann	0.25	0
http://evans.uw.edu /profile/mccann	http://healthpolicy. usc.edu/ListItemFac ulty.aspx?Title=Pam ela%20McCann,%20 Ph.D.&CategoryIX=1	0	1
https://www.facebo ok.com/pamela.mcc ann.54	https://www.youtub e.com/watch?v=XKd e-v87M6A	0	0.25

Query 2 glenn melnick price

Query 2	glenn melnick price		
Google	Bing	Google Relevance	Bing Relevance
https://priceschool. usc.edu/glenn- melnick/	https://priceschool. usc.edu/glenn- melnick/	1	1
http://healthpolicy. usc.edu/ListItemFac ulty.aspx?ID=11&Ca tegoryIX=1	http://www.rand.or g/about/people/m/ melnick_glenn.html	1	0
http://www.rand.or g/about/people/m/ melnick_glenn.html	http://www- bcf.usc.edu/~ippam/ faculty-glenn- m.html	0	1

http://profiles.sc-	http://profiles.sc-	1	1
ctsi.org/glenn.melni	ctsi.org/glenn.melni		
ck	ck		
http://content.healt	http://healthpolicy.	0	0.5
haffairs.org/content	usc.edu/ListItem.asp		
/32/6/1101.abstract	x?ID=11		

Query 3 tara blanc price

Query 3	tara blanc price		
Google	Bing	Google Relevance	Bing Relevance
https://priceschool. usc.edu/tara-blanc/	http://priceschool.u sc.edu/tara-blanc/	1	1
http://www.latimes. com/cyca-hoist-3- jpg-20150725- photo.html	http://priceschool.u sc.edu/files/2013/06 /T-Blanc-CV.pdf	0	0.25
http://www.wine- searcher.com/find/t ara+blanc+du+bois+ dry+texas+usa	https://www.amazo n.com/Oasis-City- Tara- Blanc/dp/09296905 16	0	0
https://www.facebo ok.com/public/Tara- Blanc	https://www.vivino. com/wineries/tara- 49658/wines/cotes- du-ventoux-blanc- 9999	0	0
http://www.cengag e.com/search/produ ctOverview.do?N=1 6+4294922390+429 4918063&Ntk=P_EPI &Ntt=10407094101 0901257265496472 361267133465&Ntx =mode%2Bmatchall partial	http://www.wine- searcher.com/find/t ara	0	0

Query 4 public policy price

Query 4	public policy price		
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Google	Bing	Google Relevance	Bing Relevance
http://priceschool.u sc.edu/	http://priceschool.u sc.edu/	0.5	0
https://priceschool. usc.edu/programs/ masters/mpp/	https://priceschool. usc.edu/public- policy/	0.5	1
http://priceschool.u sc.edu/programs/un dergraduate/	http://www.usc.edu /directories/dept/pr ice.html	0	0
https://priceschool. usc.edu/public- policy/	https://en.wikipedia .org/wiki/USC_Sol_P rice_School_of_Publ ic_Policy	1	0
https://priceschool. usc.edu/programs/ masters/	http://catalogue201 4.usc.edu/files/2010 /06/price.pdf	0	0.5

Query 5 urban planning price

Query 5	urban planning price		
Google	Bing	Google Relevance	Bing Relevance
https://priceschool. usc.edu/urban- planning/	https://priceschool. usc.edu/urban- planning/	1	1
http://priceschool.u sc.edu/programs/m asters/mpl/	http://priceschool.u sc.edu/programs/m asters/mpl/	0.5	0.5
http://priceschool.u sc.edu/	https://taubmancoll ege.umich.edu/urba nplanning/facilities- resources/media- center/prices	0	0
https://priceschool. usc.edu/programs/p hd/upd/	https://www.aliexpr ess.com/price/urban -planning- city_price.html	0.5	0
http://priceschool.u sc.edu/programs/un dergraduate/	https://www.bls.gov /ooh/Life-Physical- and-Social- Science/Urban-and-	0	0

regional-	
planners.htm	

Query 6 public administration price

Query 6	public administration price			
Google	Bing	Google Relevance	Bing Relevance	
https://priceschool. usc.edu/programs/ masters/mpa/	http://priceschool.u sc.edu/programs/m asters/mpa/	0.5	0.	.5
https://priceschool. usc.edu/public- administration/	http://priceschool.u sc.edu/public- administration/	1		1
https://priceschool. usc.edu/programs/ masters/mpa/admis sion/	http://publicadmin. usc.edu/	0.5	0.	.5
http://priceschool.u sc.edu/	https://pricestudent blog.usc.edu/catego ry/public- administration/	0	0.	.5
https://priceschool. usc.edu/programs/ masters/mpa/curric ulum/	https://www.snapd eal.com/product/pu blic- administration/6828 09746898	0.5		0

Query 7 price usc map

Query 7	price usc map		
Google	Bing	Google Relevance	Bing Relevance
https://priceschool.	http://web-	0	1
usc.edu/mind-the-	app.usc.edu/maps/		
map-the-next-			
generation-of-maps-			
offers-new-			
discoveries/			
https://priceschool.	http://priceschool.u	0	0
usc.edu/	sc.edu/		

http://www.lacolise	http://priceschool.u	0.5	1
um.com/index.php/	sc.edu/naut/info/ge		
parking/	tting/directions/		
http://www.thelore	http://visit.usc.edu/	0	0
nzo.com/floorplans/	maps-directions/		
#botticelli			
http://stadiumparki	http://visit.usc.edu/	0	0
ngguides.com/los-	maps-		
angeles-memorial-	directions/university		
coliseum-parking/	-park-campus/		

Query 8 sol price

Query 8	sol price		
Google	Bing	Google Relevance	Bing Relevance
https://en.wikipedia .org/wiki/Sol_Price	https://en.wikipedia .org/wiki/Sol_Price	1	1
http://priceschool.u sc.edu/	http://www.nytimes .com/2009/12/16/b usiness/16price.htm	0.5	0.5
http://www.washin gtonpost.com/wp- dyn/content/article/ 2009/12/14/AR2009 121403336.html	http://www.washin gtonpost.com/wp- dyn/content/article/ 2009/12/14/AR2009 121403336.html	0.5	0.5
http://www.nytimes .com/2009/12/16/b usiness/16price.htm	http://priceschool.u sc.edu/	0.5	0.5
http://articles.latim es.com/1989-04- 28/local/me- 1702_1_sol-price- price-clubs- emotional-distress	http://www.wheres ourmoney.org/sol- price-capitalist- hero/	0	0

Query 9 usc price alumni

Query 9	usc price alumni	

Google	Bing	Google Relevance	Bing Relevance
https://priceschool.	http://priceschool.u	1	1
usc.edu/alumni/	sc.edu/alumni/		
https://priceschool.	https://priceschool.	1	1
usc.edu/alumni/alu	usc.edu/alumni/alu		
mni-board/	mni-board/		
https://priceschool.	https://www.facebo	1	1
usc.edu/alumni/stor	ok.com/USCPriceAlu		
ies/	mniAssociation		
https://priceschool.	https://alumni.usc.e	0.5	0.25
usc.edu/careers/	du/		
https://priceschool.	https://priceschool.	0.25	1
usc.edu/initiatives/n	usc.edu/alumni/ho		
onprofits-and-	mecoming/		
philanthropy/alumni			
/			

Query 10
USC Public Policy Undergraduate degree requirements

Query 10	USC Public Policy Undergraduate degree requirements		
Google	Bing	Google Relevance	Bing Relevance
https://priceschool. usc.edu/programs/u ndergraduate/curric ulum/	http://priceschool.u sc.edu/	0.5	0
http://priceschool.u sc.edu/programs/un dergraduate/	http://priceschool.u sc.edu/admission/	0.5	0.5
https://priceschool. usc.edu/programs/u ndergraduate/admis sion/	http://healthpolicy. usc.edu/Undergradu ate-Programs.aspx	0.5	0
https://priceschool. usc.edu/	http://catalogue.usc .edu/content.php?c atoid=2&navoid=30 7	0	0.5
https://priceschool. usc.edu/programs/u ndergraduate/bs-	http://gould.usc.edu /academics/curricul um/dual-degree- programs/	1	0

public-		
policy/curriculum/		

Query 11 USC Public Policy Masters degree requirements

Query 11	USC Public Policy Masters degree requirements		
Google	Bing	Google Relevance	Bing Relevance
https://priceschool. usc.edu/programs/ masters/mpp/	http://priceschool.u sc.edu/	0.5	1
https://priceschool. usc.edu/programs/ masters/mpp/admis sion/	http://priceschool.u sc.edu/programs/m asters/mpp/	0.5	0.5
https://priceschool. usc.edu/programs/ masters/mpp/curric ulum/	http://catalogue.usc .edu/content.php?c atoid=2&navoid=30 7&print	1	0.5
https://priceschool. usc.edu/	http://catalogue.usc .edu/preview_progr am.php?catoid=2&p oid=1725&returnto= 307	0	1
http://priceschool.u sc.edu/programs/m asters/mpp/admissi on/faq/	https://online.usc.e du/programs/maste r-of-public- administration/	0.5	1

Query 12 USC Public Policy PHD degree requirements

Query 12	USC Public Policy PHD degree requirements			
Google	Bing	Google Relevance	Bing Relevance	
http://priceschool.u sc.edu/programs/ph d/	http://priceschool.u sc.edu/	0		0

https://priceschool. usc.edu/programs/p hd/admission/	http://catalogue.usc .edu/preview_progr am.php?catoid=2&p oid=1754&returnto= 307	0.5	1
https://priceschool. usc.edu/programs/p hd/ppm/	https://dornsife.usc. edu/econ/program- requirements/	1	0
https://priceschool. usc.edu/	http://priceschool.u sc.edu/programs/m asters/mpp/	0	0
https://priceschool. usc.edu/programs/d octoral/	http://catalogue.usc .edu/content.php?c atoid=6&navoid=13 31	0	0

Query 13 usc price founder story

Query 13	usc price founder story		
Google	Bing	Google Relevance	Bing Relevance
https://priceschool. usc.edu/alumni/stor ies/	https://about.usc.ed u/history/	0.5	0
https://priceschool. usc.edu/about/abou t-sol-price-and-the- naming-gift/	https://priceschool. usc.edu/new-book- chronicles-life-and- legacy-of-sol-price/	1	0
https://priceschool. usc.edu/programs/ masters/mpa/alumn i-stories/	http://priceschool.u sc.edu/	0	0
https://priceschool. usc.edu/category/ne ws/newsletter/page /8/	http://about.usc.ed u/history/founders/	0	0
https://priceschool. usc.edu/programs/ masters/mpp/alumn i-stories/	https://www.facebo ok.com/uscprice	0	0