

Round 1 results — Run OHSU_RUN2 submitted from OHSU

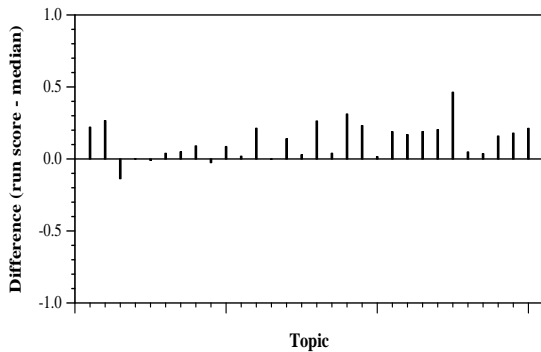
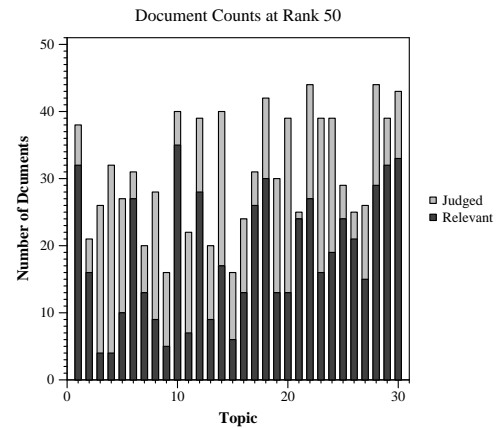
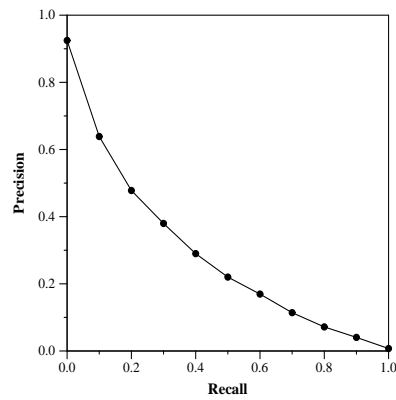
Run Description

Pyserini, a python port of Anserini, was used to search a pre-built Lucene index of full-text articles from COVID-19. The query, question, and narrative for each topic were combined, tokenized, and filtered to remove stopwords. Stopwords were manually generated to remove redundant words and unhelpful query terms. Keywords specific to COVID-19 were also manually added to each combined query to narrow search. BM25 and RM3 reranking parameters were hypertuned manually prior to search. The combined, preprocessed string was inputted into the Pyserini SimpleSearcher class to generate 1000 ranked documents per topic. Scoring was performed according to Anserini’s default scoring function.

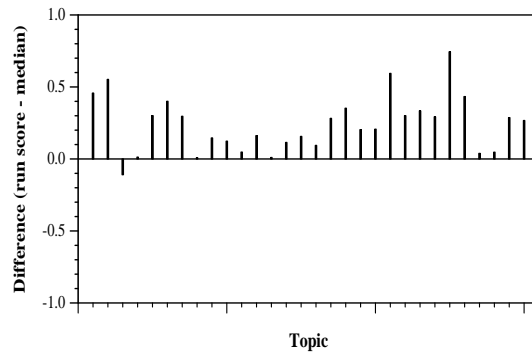
Summary Statistics	
Run ID	OHSU_RUN2
Topic type	manual
Contributed to judgment sets?	yes

Overall measures	
Number of topics	30
Total number retrieved	29977
Total relevant	2352
Total relevant retrieved	1529
MAP	0.2773
Mean Bpref	0.4483
Mean NDCG@10	0.5966

Document Level Averages	
	Precision
At 5 docs	0.7000
At 10 docs	0.6267
At 15 docs	0.5733
At 20 docs	0.5333
At 30 docs	0.4633
R-Precision	
Exact	0.3150

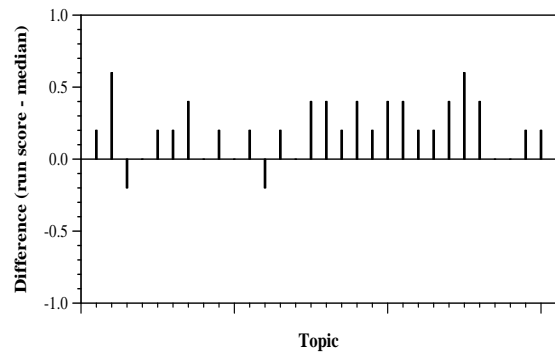


Per-topic difference from median bpref for all Round 1 runs



Per-topic difference from median NDCG@10 for all Round 1 runs

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Per-topic difference from median P@5 for all Round 1 runs