Round 1 results — Run OHSU_RUN3 submitted from OHSU

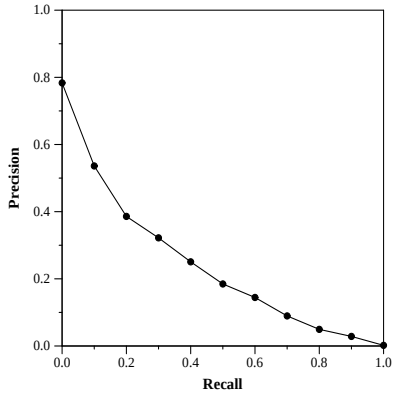
Run Description

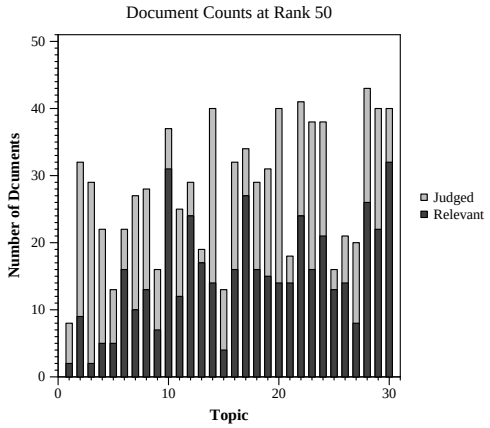
Pyserini, a python port of Anserini, was configured to search a Lucene index of full-text CORD19 articles. The query and question were combined, tokenized with manual stopword removal prior to submission into a Bio Entrez to generate a MeSH search. This MeSH search contained a small set of synonyms relevant to our original search terms and was further tokenized to remove stopwords. This final, preprocessed MeSH search was used as an input string into the Pyserini SimpleSearcher class, which was tuned with BM25 and RM3 reranking. The SimpleSearcher retrieved the top 1000 documents per topic, scored using Anserini's default scoring function.

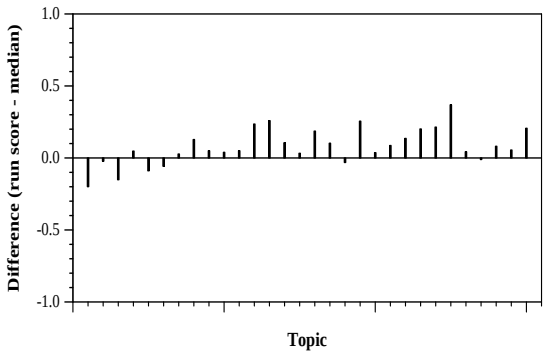
Summary Statistics	
Run ID	OHSU_RUN3
Topic type	manual
Contributed to judgment sets?	no

Overall measures	
Number of topics	30
Total number retrieved	29975
Total relevant	2352
Total relevant retrieved	1453
MAP	0.2288
Mean Bpref	0.4049
Mean NDCG@10	0.4585

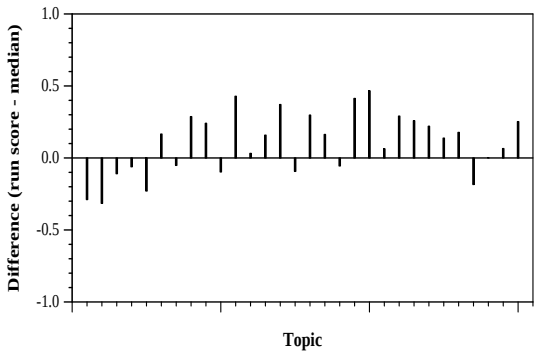
Document Level Averages	
	Precision
At 5 docs	0.5933
At 10 docs	0.4967
At 15 docs	0.4600
At 20 docs	0.4133
At 30 docs	0.3544
R-Precision	
Exact	0.2801







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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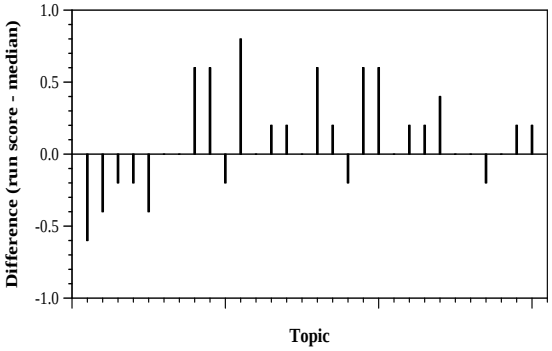

Per-topic difference from median P@5 for all Round 1 runs