Round 1 results — Run RUIR-bm25-at-exp submitted from RUIR
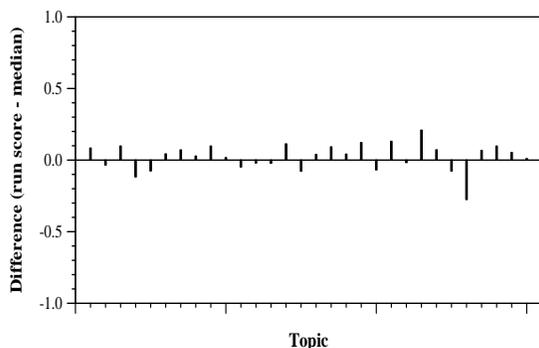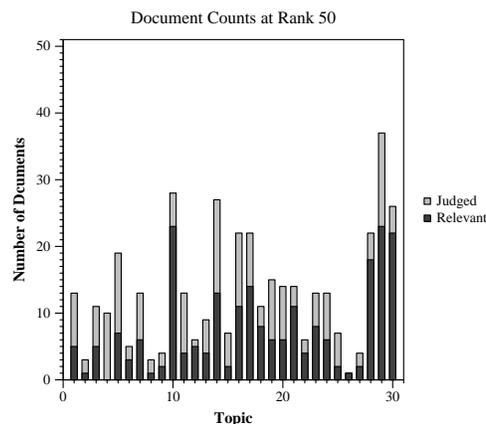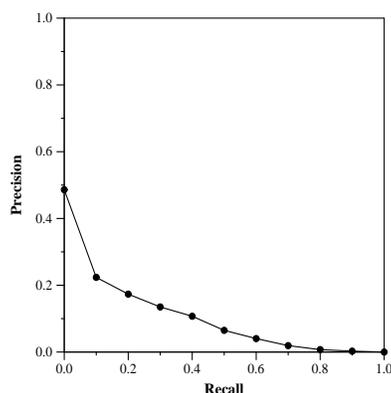
Run Description

RUIR-bm25-mt-exp We interpreted the Kaggle tasks[0] as descriptions of search tasks, and performed query expansion using keywords typical for a given search task. TREC topics were automatically classified into the most appropriate searchtask/kaggle task by indexing the fulltext of the tasks and ranking them based on the topic.query. The top result was selected as the classification. The keywords for expansion were automatically selected from the fulltext task descriptions on Kaggle. The words in that text were ranked by TF-IDF, and words that clearly are not about the topic were filtered (~1 per task, except for the sample task). Then the top n=10 words were selected. The keywords were curated from the fulltext task descriptions on Kaggle (between 10 to 22 keywords were identified for eac task). Then these keywords were used as expansion terms to enrich the query described in the topic by appending these keywords to the query. Using this enriched query we ranked the documents using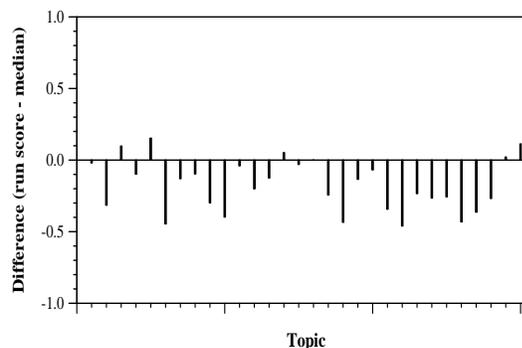 Anserini bm25 (fulltext+title+abstract). [0] https://www.kaggle.com/allen-institute-for-ai/CORD-19-research-challenge/tasks

Summary Statistics	
Run ID	RUIR-bm25-at-exp
Topic type	automatic
Contributed to judgment sets?	no

Overall measures	
Number of topics	30
Total number retrieved	30000
Total relevant	2352
Total relevant retrieved	1071
MAP	0.0904
Mean Bpref	0.3475
Mean NDCG@10	0.1832

Document Level Averages	
	Precision
At 5 docs	0.2467
At 10 docs	0.2300
At 15 docs	0.2067
At 20 docs	0.1950
At 30 docs	0.1644
R-Precision	
Exact	0.1428

Document Counts at Rank 50
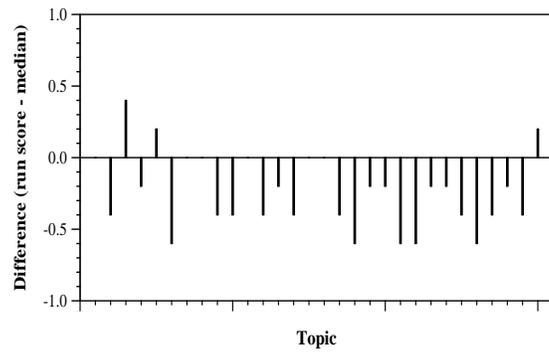

Per-topic difference from median bpref for all Round 1 runs

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

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