

Round 1 results — Run RUIR-doc2vec submitted from RUIR

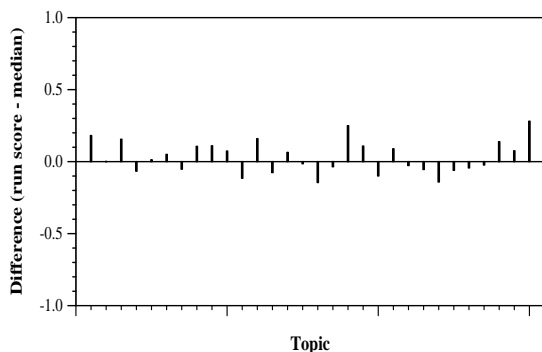
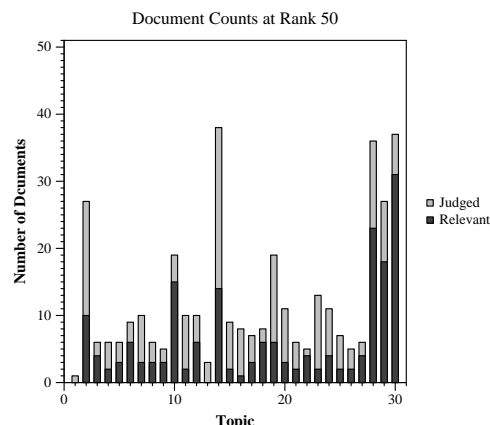
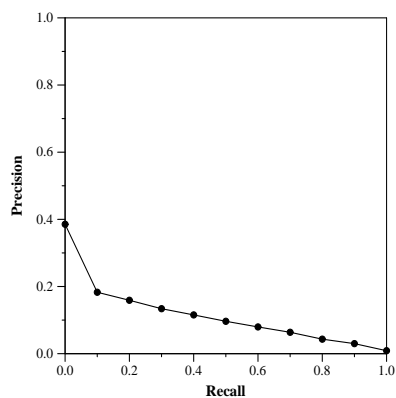
Run Description

Manual run RUIR-doc2vec We interpreted the Kaggle tasks[0] as descriptions of search tasks, and boosted documents relevant to the given search task. TREC topics were manually classified into the most appropriate searchtask/kaggle task (in topic order: [2,0,3,0,3,7,3,7,6,5,4,5,0,0,0,0,7,5,5,1,0,0,1,1,1,7,7,3,3,3], referring to tasks in the order of the Kaggle tasks page accessed 4/23). To find out which documents are relevant to which tasks, we trained a doc2vec model on the paper abstracts and fulltext task descriptions on Kaggle. We retrieved the top 1000 results using Anserini bm25 (fulltext+title+abstract), and reranked them based on the distance between a task description and paper abstract in doc2vec space. BM25 scores of the top 1000 documents were normalized to range from 0 to 1. The same happened for the distances between the paper abstracts and task descriptions. These two scores were then added. [0] <https://www.kaggle.com/allen-institute-for-ai/CORD-19-research-challenge/tasks>

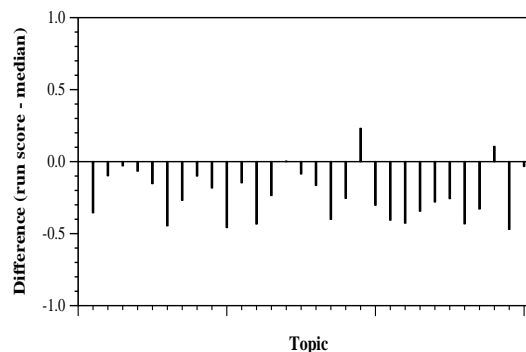
Summary Statistics	
Run ID	RUIR-doc2vec
Topic type	manual
Contributed to judgment sets?	no

Overall measures	
Number of topics	30
Total number retrieved	29979
Total relevant	2352
Total relevant retrieved	1398
MAP	0.1009
Mean Bpref	0.3557
Mean NDCG@10	0.1315

Document Level Averages	
	Precision
At 5 docs	0.1667
At 10 docs	0.1600
At 15 docs	0.1511
At 20 docs	0.1433
At 30 docs	0.1322
R-Precision	
Exact	0.1285

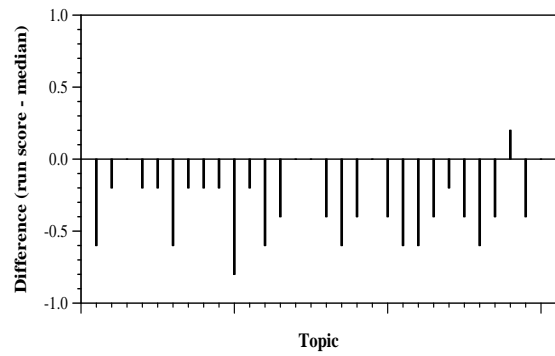


Per-topic difference from median bpref for all Round 1 runs



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