Round 5 results — Run UIowaS_Run1 submitted from UIowaS

Run Description

Reciprocal rank fusion of two runs - both employ Terrier, BM25 weighting with relevance feedback. Both use all query fields - we did add the word Covid to the question field of all topics. In the first run we used 10 relevant documents to expand the query by 300 terms. In the second run we used 30 documents to expand the query by 1000 terms. Reciprocal rank fusion was done on these two runs. Retrieval was done against the metadata title and abstract fields. For the 5 new topics we did a Terrier, TF_IDF retrieval feedback run, 10 documents, 20 expansion query terms. The queries were as above, But the dataset was limited to filtered documents from the metadata title and abstract. Each retained document has to have a word in a pre-defined list described in our run 1 documentation. We also filtered out documents older than 1990.

Summary Statistics	
Run ID	UIowaS_Run1
Topic type	feedback
Contributed to judgment sets?	yes

Overall measures	
Number of topics	50
Total number retrieved	49894
Total relevant	10910
Total relevant retrieved	7328
MAP	0.3759
Mean Bpref	0.5719
Mean NDCG@20	0.7719
Mean RBP(p=0.5)	0.8657 +0.0009

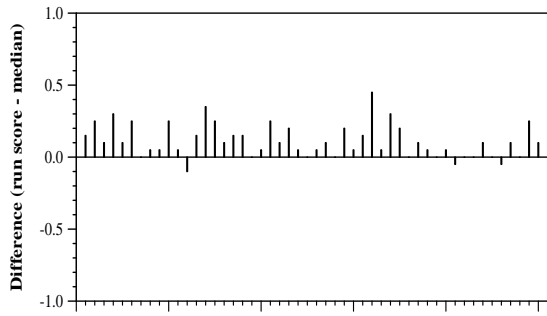| Document Level Averages	
	Precision
At 5 docs	0.9040
At 10 docs	0.8660
At 15 docs	0.8480
At 20 docs	0.8190
At 30 docs	0.7547
R-Precision	
Exact	0.4113

Document Counts at Rank 50
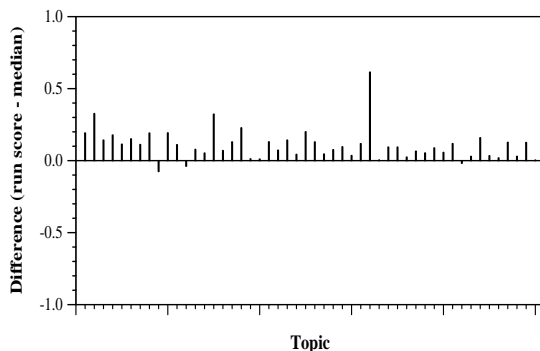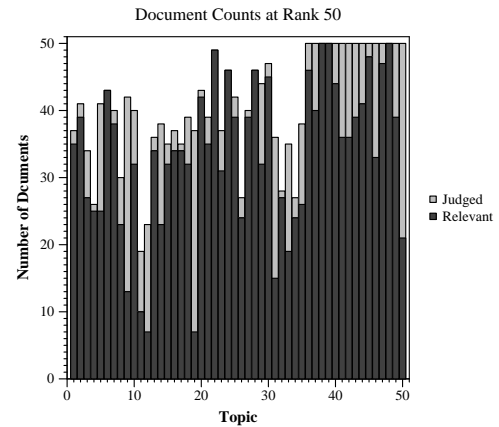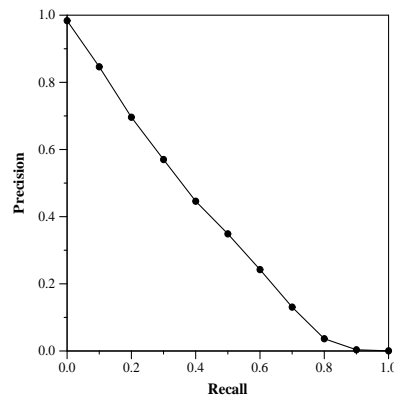
Per-topic difference from median bpref for all Round 4 runs
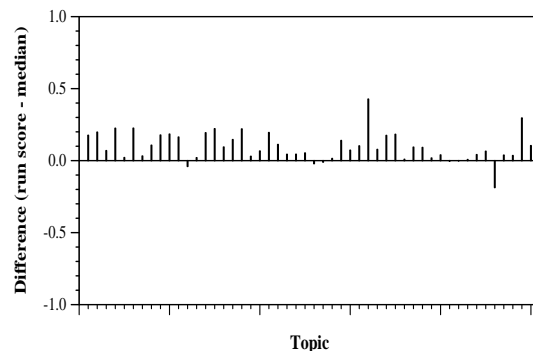
Per-topic difference from median NDCG@20 for all Round 4 runs

Per-topic difference from median P@20 for all Round 4 runs
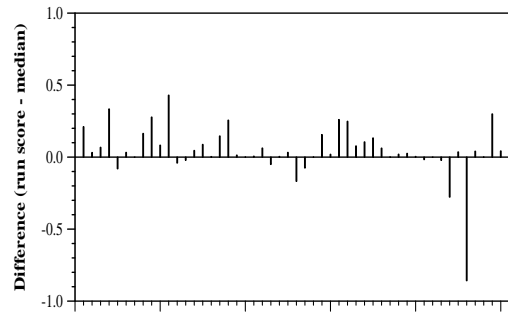
Per-topic difference from median RBP(p=0.5) for all Round 4 runs