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. Unlike our run1, we did not do any additional filtering based on the date of the document.

Summary Statistics	
Run ID	UIowaS_Run2
Topic type	feedback
Contributed to judgment sets?	yes

Overall measures	
Number of topics	50
Total number retrieved	49894
Total relevant	10910
Total relevant retrieved	7336
MAP	0.3766
Mean Bpref	0.5723
Mean NDCG@20	0.7714
Mean RBP(p=0.5)	0.8608 +0.0009

Document Level Averages	
	Precision
At 5 docs	0.9040
At 10 docs	0.8680
At 15 docs	0.8493
At 20 docs	0.8200
At 30 docs	0.7553
R-Precision	
Exact	0.4128

Document Counts at Rank 50
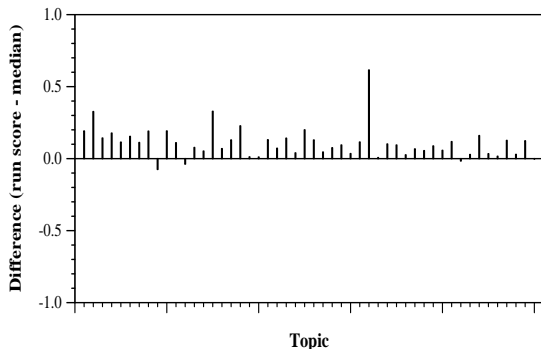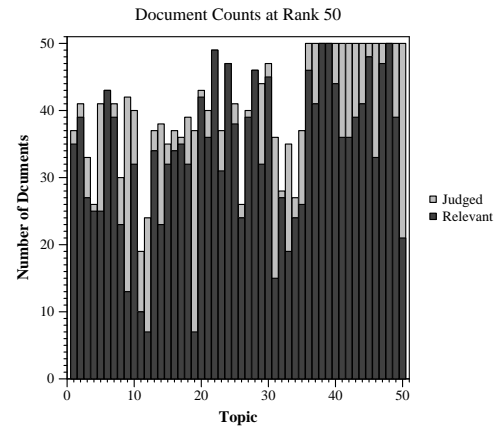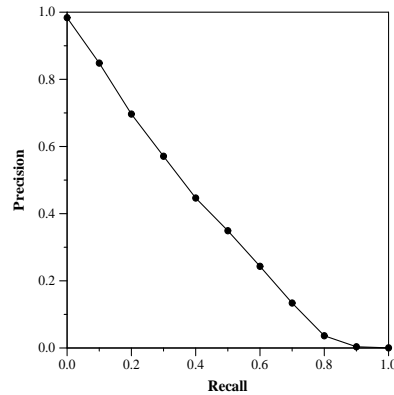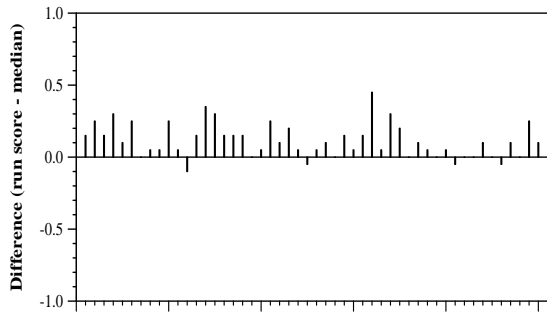

Per-topic difference from median bpref for all Round 4 runs
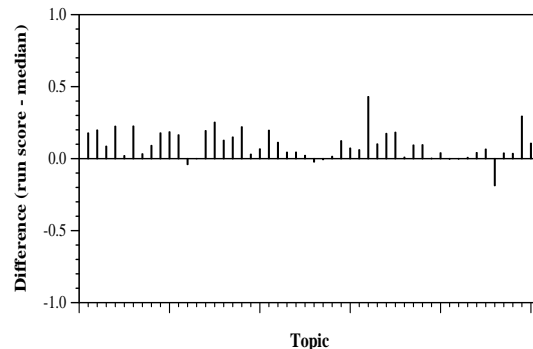
Per-topic difference from median NDCG@20 for all Round 4 runs

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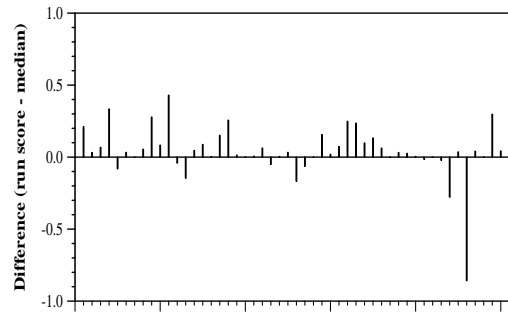
Per-topic difference from median RBP(p=0.5) for all Round 4 runs