## Run Description

A reciprocal rank fusion of (a) Anserini & Terrier runs based on different indexing schemes and topic variants (b) Neural retrieval runs based on synthetic query generation (https://arxiv.org/abs/2004.14503) (c) TF-Ranking + multiple BERT variants with softmax loss (https://arxiv.org/abs/2004.08476) trained on MS-Marco. This is a fully automatic run, with no extra tuning based on the existing judgments from TREC-COVID.

Summary Statistics	
Run ID	UPrrf80-r5
Topic type	automatic
Contributed to judgment sets?	no

Overall measures	
Number of topics	50
Total number retrieved	49905
Total relevant	10910
Total relevant retrieved	7497
MAP	0.3598
Mean Bpref	0.5283
Mean NDCG@20	0.7116
Mean RBP(p=0.5)	0.7738 +0.0001

Document Level Averages	
	Precision
At 5 docs	0.8600
At 10 docs	0.8160
At 15 docs	0.7853
At 20 docs	0.7590
At 30 docs	0.7167
R-Precision	
Exact	0.4080

Document Counts at Rank 50
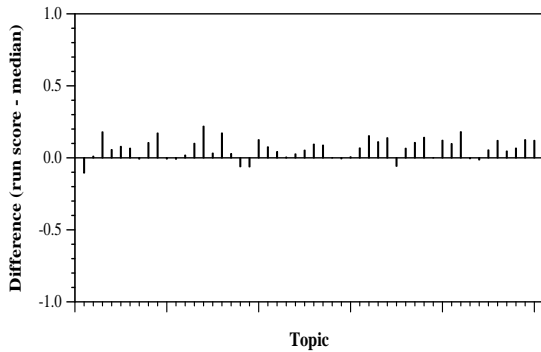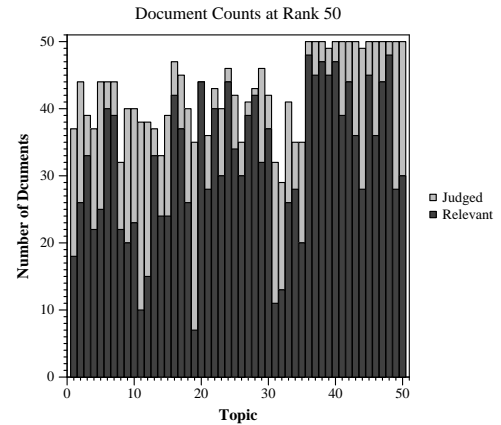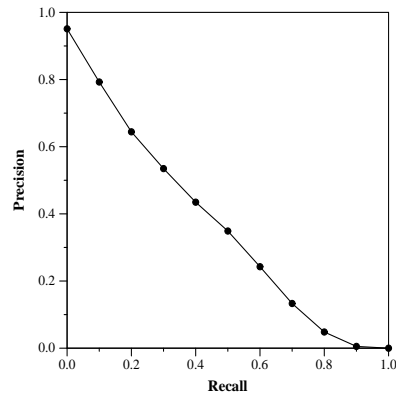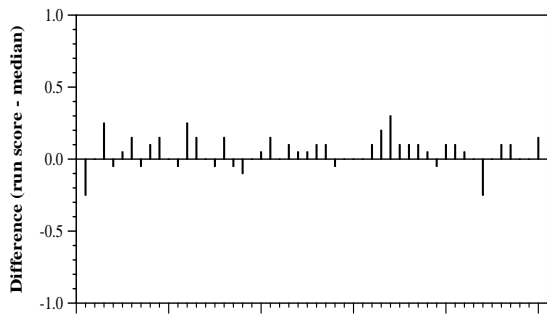

Per-topic difference from median bpref for all Round 4 runs
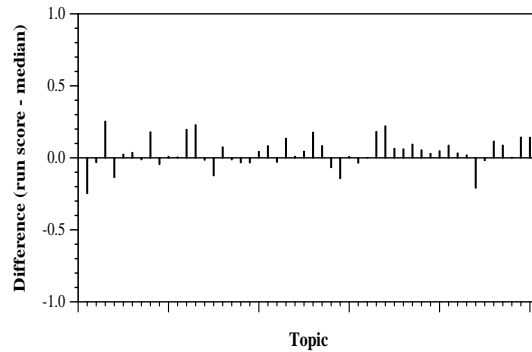
Per-topic difference from median NDCG@20 for all Round 4 runs

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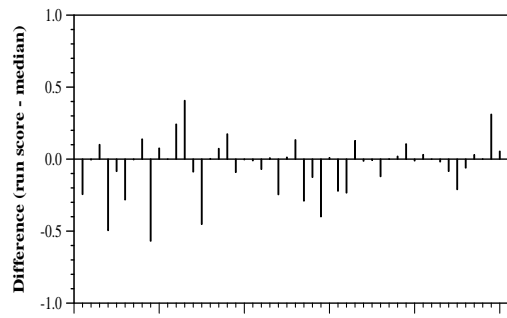
Per-topic difference from median RBP(p=0.5) for all Round 4 runs