

## Round 4 results — Run covidex.r4.duot5 submitted from covidex

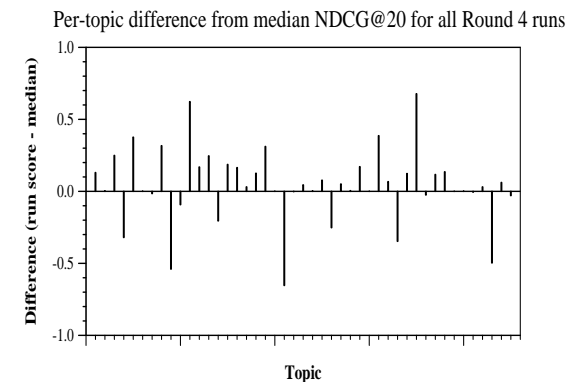
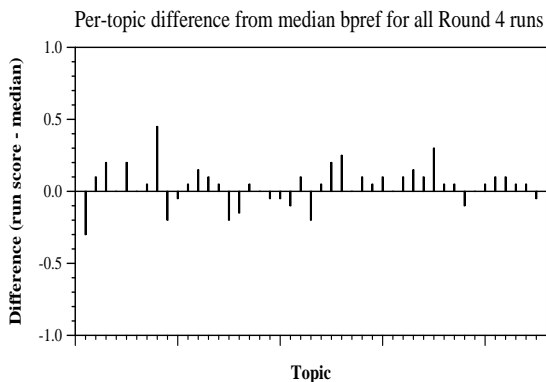
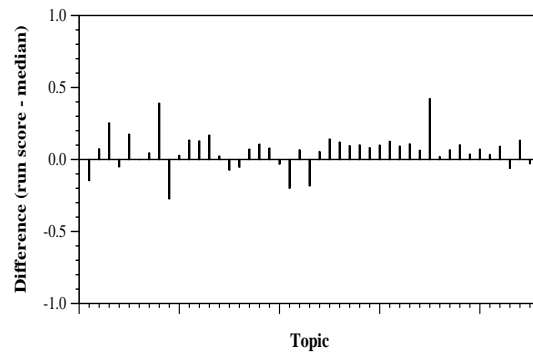
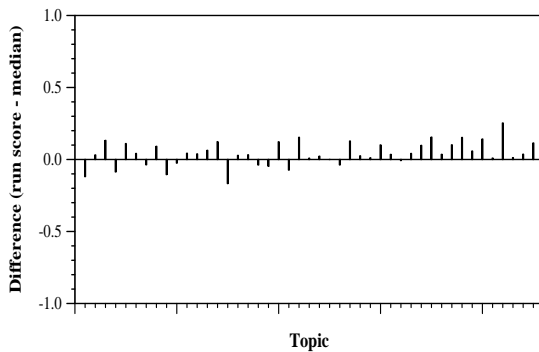
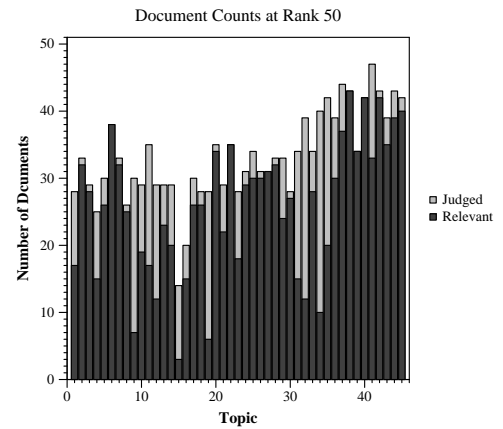
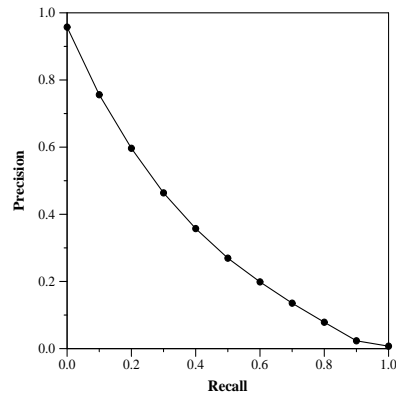
### Run Description

A pairwise reranker (duoT5) using top-50 documents from a pointwise reranker (monoT5). Both rerankers were trained on MedMARCO (MacAvaney et al., SLEDGE, 2020). Initial runs are baselines 7 and 8 from <https://github.com/castorini/anserini/blob/master/docs/experiments-covid.md#round-4>.

Summary Statistics	
Run ID	covidex.r4.duot5
Topic type	automatic
Contributed to judgment sets?	no

Overall measures	
Number of topics	45
Total number retrieved	42252
Total relevant	5824
Total relevant retrieved	3919
MAP	0.3283
Mean Bpref	0.5576
Mean NDCG@20	0.6877
Mean RBP(p=0.5)	0.8130 +0.0349

Document Level Averages	
	Precision
At 5 docs	0.8178
At 10 docs	0.7778
At 15 docs	0.7378
At 20 docs	0.6922
At 30 docs	0.6133
R-Precision	
Exact	0.3606



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