Round 3 results — Run sparse-dense-SBrr-2 submitted from CIR
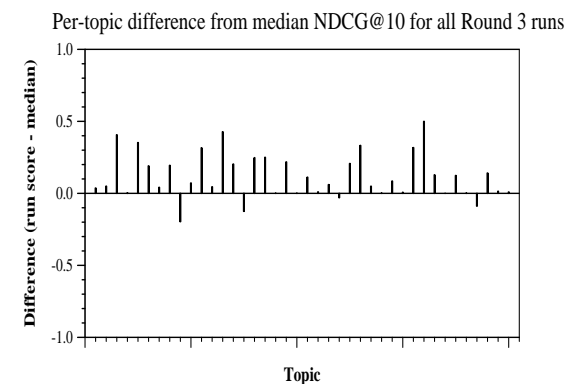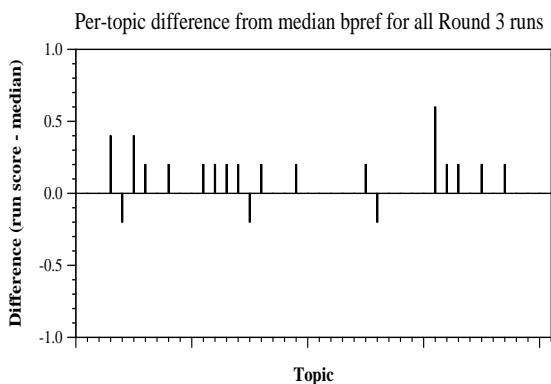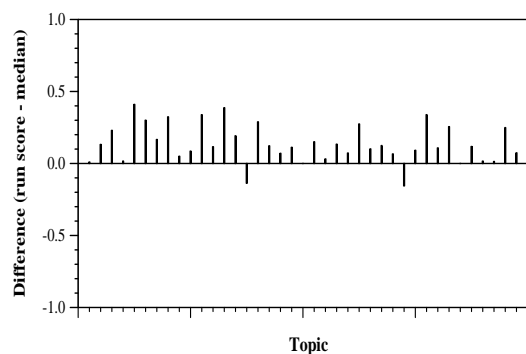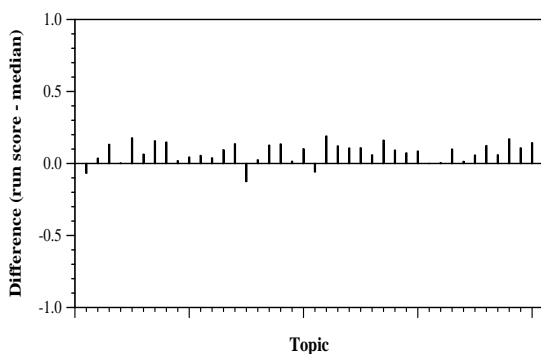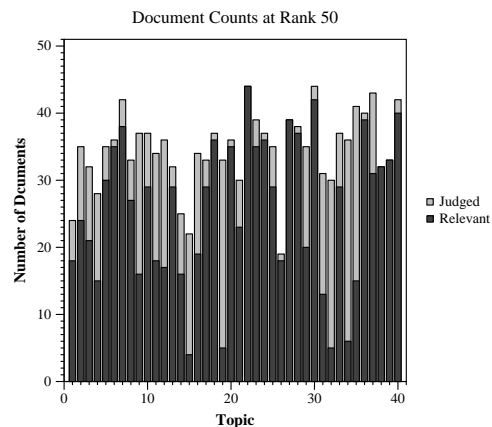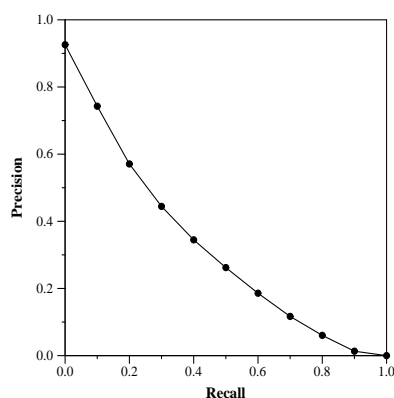
Run Description

Fusion of: (1) Anserini BM25 fusion baseline(RRF(2,4,6)), (2) Med-MARCO ANN dense embedding retrieval, (3) MedMARCO SciBERT reranker(top 1000). Fusion weights tuned. Language model finetuned by performing MLM task on CORD19 Rnd3 documents.

Summary Statistics	
Run ID	sparse-dense-SBrr-2
Topic type	feedback
Contributed to judgment sets?	yes

Overall measures	
Number of topics	40
Total number retrieved	39905
Total relevant	4698
Total relevant retrieved	3250
MAP	0.3134
Mean Bpref	0.5419
Mean NDCG@10	0.7272
Mean RBP(p=0.5)	0.7675 +0.0257

Document Level Averages	
	Precision
At 5 docs	0.8000
At 10 docs	0.7725
At 15 docs	0.7100
At 20 docs	0.6675
At 30 docs	0.5992
R-Precision	
Exact	0.3505

Document Counts at Rank 50

Per-topic difference from median bpref for all Round 3 runs

Per-topic difference from median NDCG@10 for all Round 3 runs

Per-topic difference from median P@5 for all Round 3 runs

Per-topic difference from median RBP(p=0.5) for all Round 3 runs