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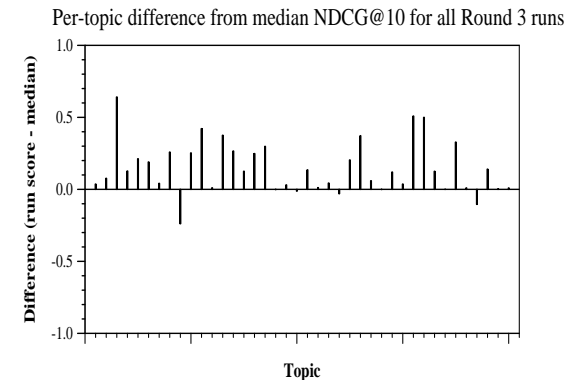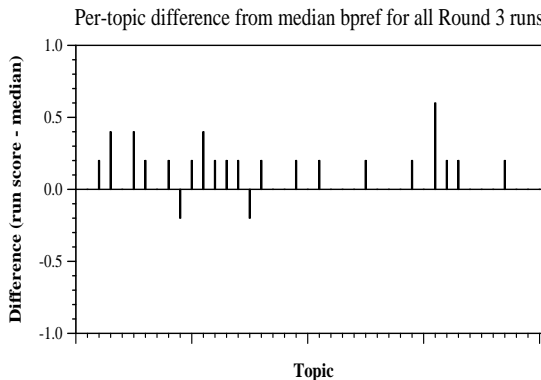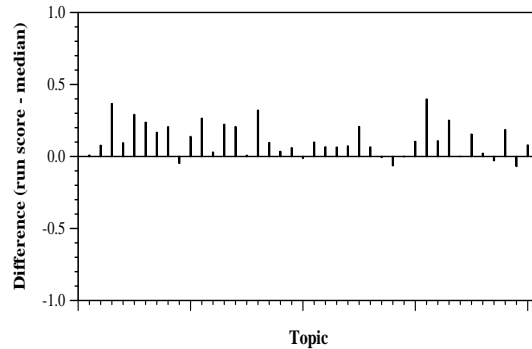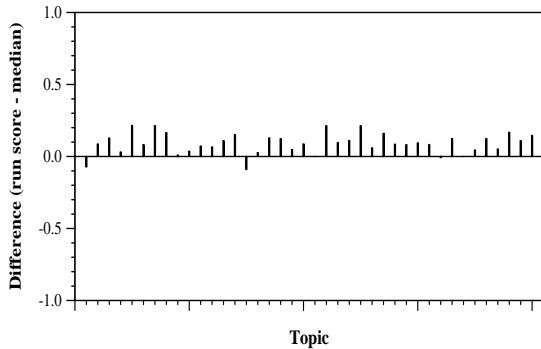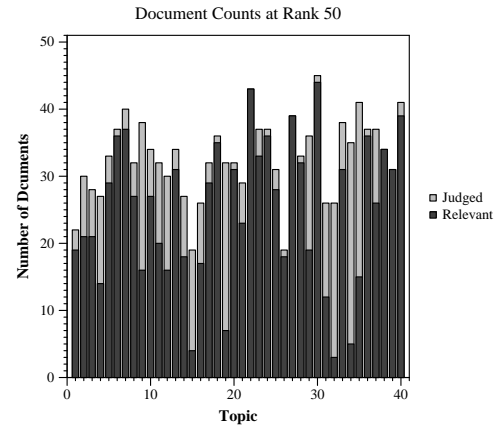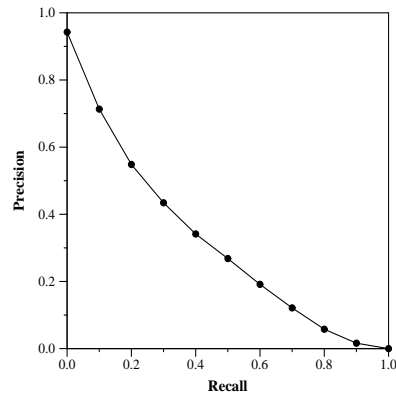
Run Description

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 set equal. Language model finetuned by performing MLM task on CORD19 Rnd3 documents.

Summary Statistics	
Run ID	sparse-dense-SBrr-3
Topic type	feedback
Contributed to judgment sets?	no

Overall measures	
Number of topics	40
Total number retrieved	39909
Total relevant	4698
Total relevant retrieved	3256
MAP	0.3099
Mean Bpref	0.5553
Mean NDCG@10	0.7051
Mean RBP(p=0.5)	0.7953 +0.0266

Document Level Averages	
	Precision
At 5 docs	0.8250
At 10 docs	0.7300
At 15 docs	0.7067
At 20 docs	0.6537
At 30 docs	0.5875
R-Precision	
Exact	0.3536

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