

Round 3 results — Run UPrRF20lgbert50-r3 submitted from unique_ptr

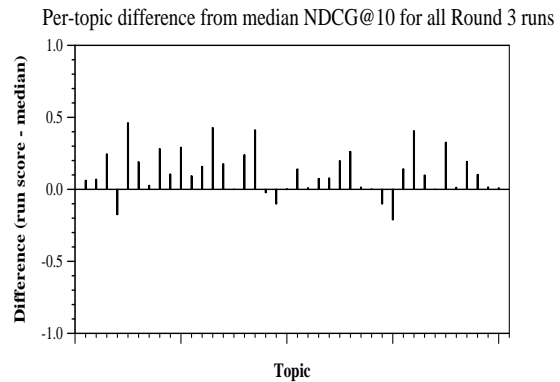
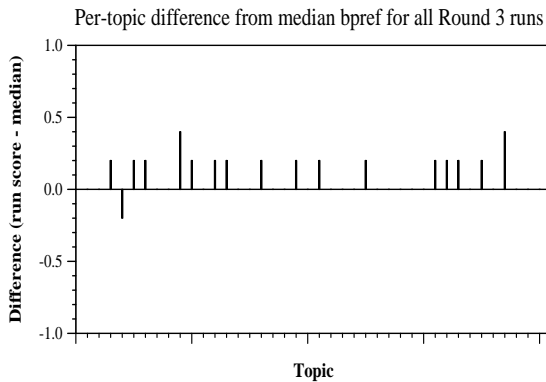
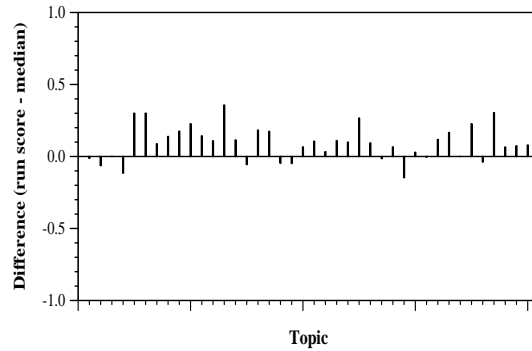
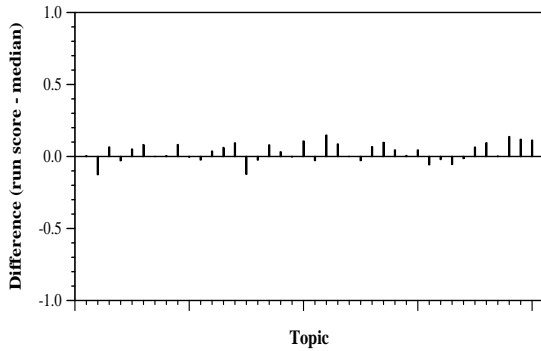
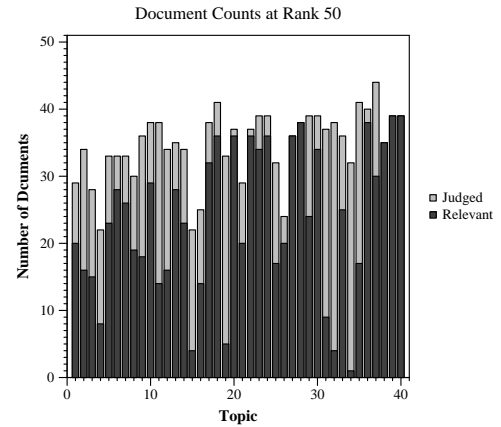
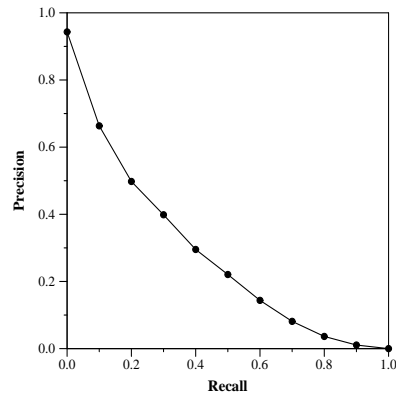
Run Description

LightGBM learning-to-rank framework, combining (a) a reciprocal rank fusion of 20 retrieval runs using Anserini and Terrier, (b) TF-Ranking + BERT fine-tuned on MSMarco, and (c) article-based features such as its publication year.

Summary Statistics	
Run ID	UPrRF20lgbert50-r3
Topic type	feedback
Contributed to judgment sets?	no

Overall measures	
Number of topics	40
Total number retrieved	39905
Total relevant	4698
Total relevant retrieved	3135
MAP	0.2754
Mean Bpref	0.4958
Mean NDCG@10	0.6849
Mean RBP(p=0.5)	0.7675 +0.0338

Document Level Averages	
	Precision
At 5 docs	0.8000
At 10 docs	0.7200
At 15 docs	0.6683
At 20 docs	0.6275
At 30 docs	0.5617
R-Precision	
Exact	0.3236



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