Round 4 results — Run Emory_rnd4_run2 submitted from Emory_IRLab

Run Description

This run is obtained by training a lambdamart model. The features include BM25 score on different document fields, RM3 score from anserini baseline, scaled date value. Besides, covered query term number and frequency, convered number and frequency of query entities from scispacy are also added as additional features for lambdamart rerank.

Summary Statistics	
Run ID	Emory_rnd4_run2
Topic type	feedback
Contributed to judgment sets?	yes

Overall measures	
Number of topics	45
Total number retrieved	44936
Total relevant	5824
Total relevant retrieved	3126
MAP	0.2479
Mean Bpref	0.4622
Mean NDCG@20	0.5880
Mean RBP(p=0.5)	0.7338 +0.0008

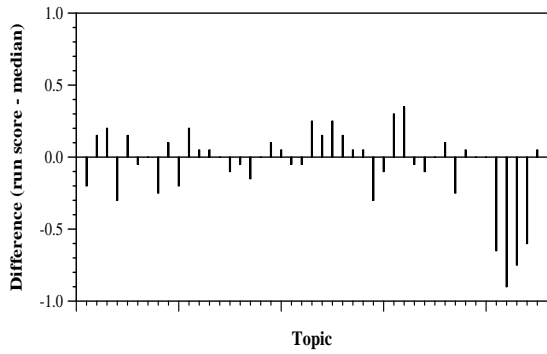| Document Level Averages	
	Precision
At 5 docs	0.7511
At 10 docs	0.6822
At 15 docs	0.6267
At 20 docs	0.5989
At 30 docs	0.5170
R-Precision	
Exact	0.2993

Document Counts at Rank 50
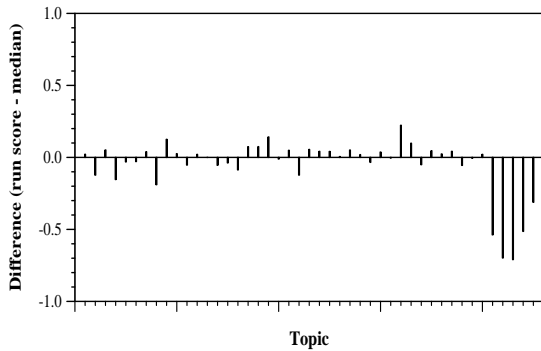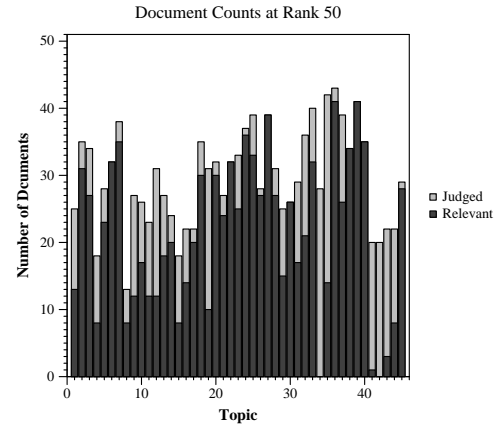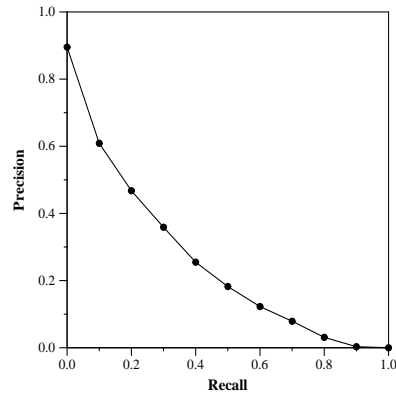
Per-topic difference from median bpref for all Round 4 runs
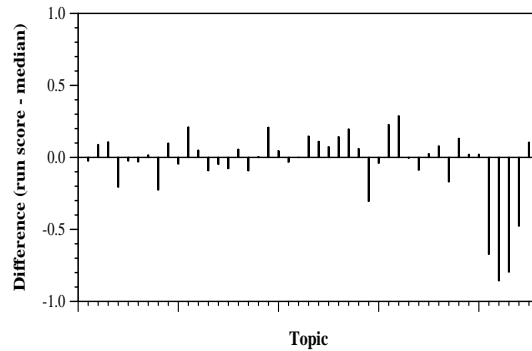
Per-topic difference from median NDCG@20 for all Round 4 runs

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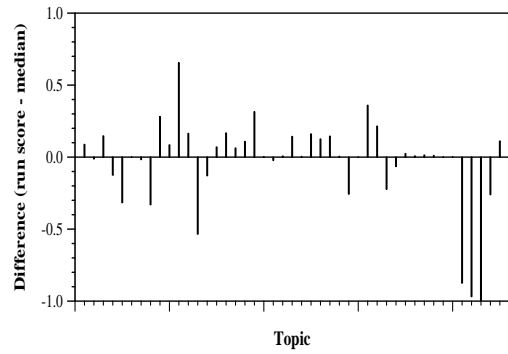
Per-topic difference from median RBP(p=0.5) for all Round 4 runs