

Round 4 results — Run Emory\_rnd4\_run1 submitted from Emory\_IRLab

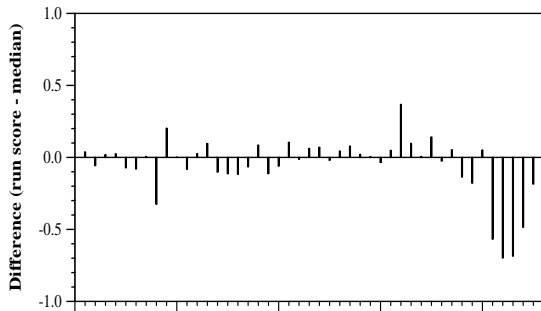
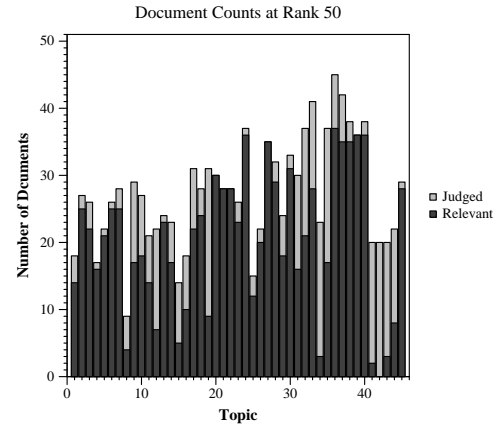
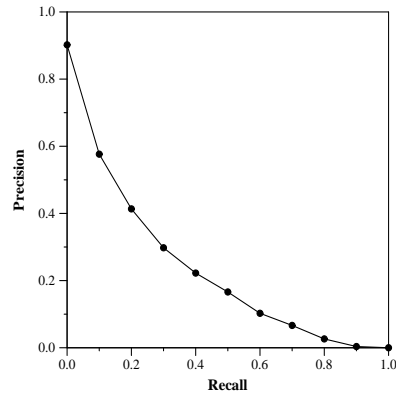
Run Description

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, covered number and frequency of query entities from scispacy are also added as additional features for lambdamart rerank.

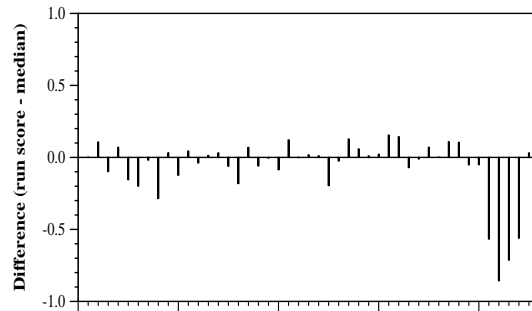
Summary Statistics	
Run ID	Emory_rnd4_run1
Topic type	feedback
Contributed to judgment sets?	yes

Overall measures	
Number of topics	45
Total number retrieved	44950
Total relevant	5824
Total relevant retrieved	3097
MAP	0.2246
Mean Bpref	0.4603
Mean NDCG@20	0.5598
Mean RBP(p=0.5)	0.6709 +0.0122

Document Level Averages	
	Precision
At 5 docs	0.7422
At 10 docs	0.6844
At 15 docs	0.6252
At 20 docs	0.5744
At 30 docs	0.5067
R-Precision	
Exact	0.2677



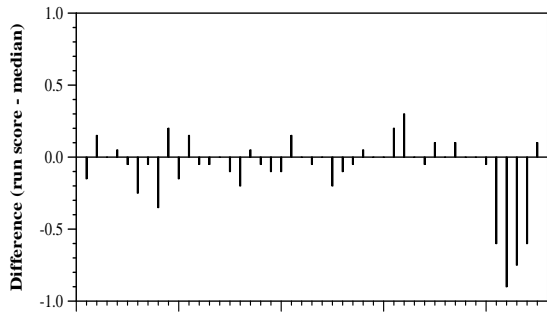
Per-topic difference from median bpref for all Round 4 runs



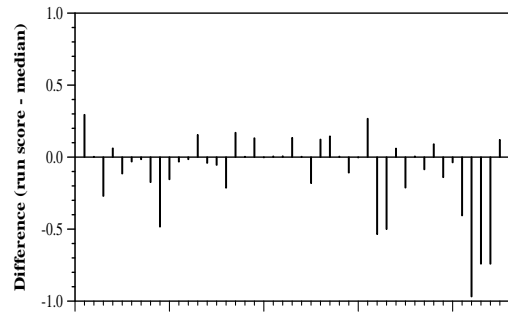
Per-topic difference from median NDCG@20 for all Round 4 runs

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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