Round 3 results — Run xj4wang_run3 submitted from xj4wang

Run Description

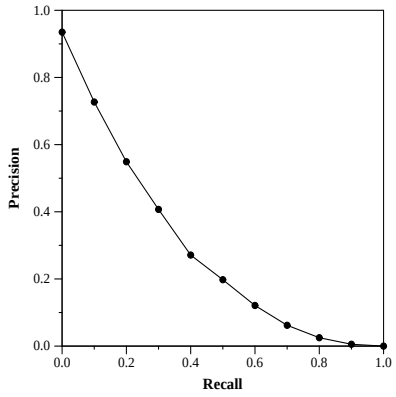
The retrieval model used is BMI (Baseline Model Implementation), provided as a starter by Gordon Cormack for the TREC 2015/2016 Total Recall Track, with human assessors in place of the server (manual processing). [1] In more detail: It uses the CAL (Continuous Active Learning) method, starting with 1 synthetic file created using the given topics, word for word. This method is described by Grossman and Cormack in [4]. Feature vectors are created using the BMI tools. [1] SofiaML is used as the learner. The weighting scheme were chosen heavily based on the work of Cormack and Grossman in [2]. Stopping conditions for manual labeling were chosen heavily based on the work of Grossman et al. in [3]. References: [1] https://cormack.uwaterloo.ca/trecvm/ [2] file:///C:/Users/Jean/Downloads/2600428.2609601.pdf [3] https://trec.nist.gov/pubs/trec25/papers/Overview-TR.pdf [4] https://cormack.uwaterloo.ca/caldemo/AprMay16_Edisco

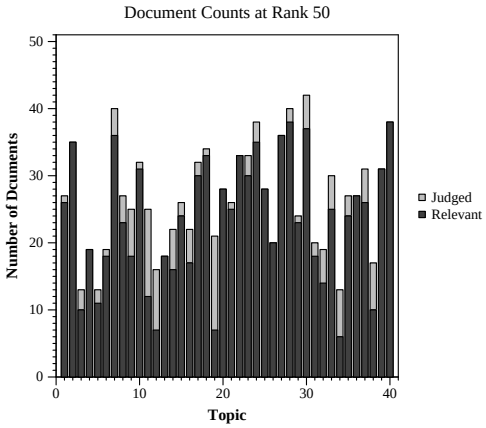
Summary Statistics	
Run ID	xj4wang_run3
Topic type	manual
Contributed to judgment sets?	no

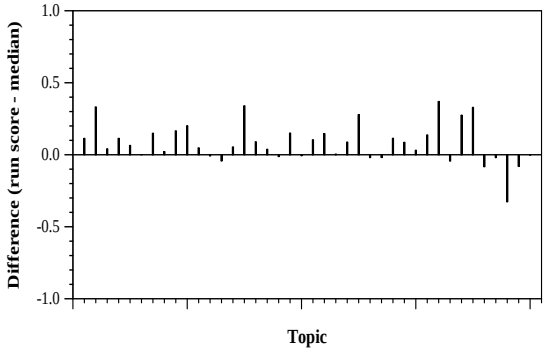
Overall measures	
Number of topics	40
Total number retrieved	39942
Total relevant	4698
Total relevant retrieved	2742
MAP	0.2751
Mean Bpref	0.5464
Mean NDCG@10	0.7413
Mean RBP(p=0.5)	0.7299 +0.0412

Document Level Averages	
	Precision
At 5 docs	0.8350
At 10 docs	0.8275
At 15 docs	0.7183
At 20 docs	0.6588
At 30 docs	0.5608

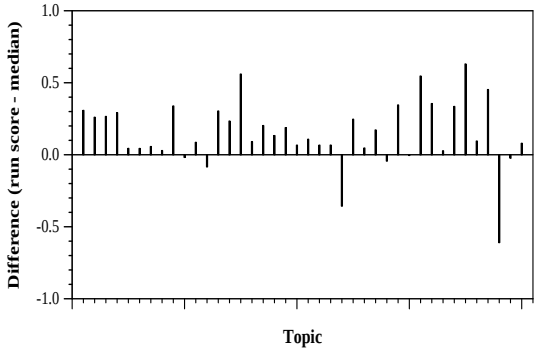
R-Precision	
Exact	0.3280







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



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

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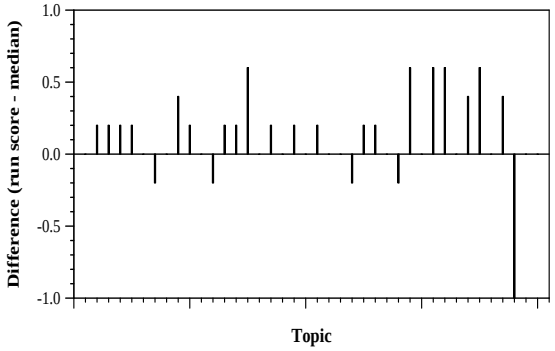
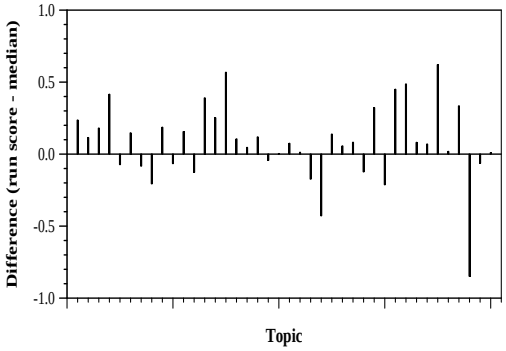


Per-topic difference from median P@5 for all Round 3 runs



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