Round 4 results — Run xj4wang_run1 submitted from xj4wang

Run Description

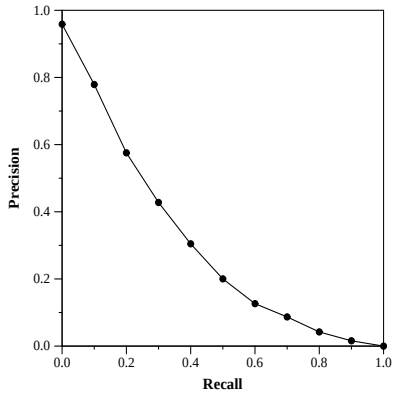
The retrieval model used is BMI (Baseline Model Implementation), provided as a starter by Gordon Cormack for the TREC 2015/2016 Total Recall Track, with human assessors in place of the server (manual processing). [1] In more detail: It uses the CAL (Continuous Active Learning) method, starting with 1 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

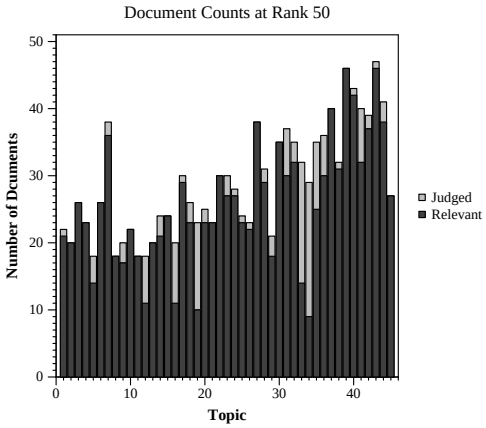
Summary Statistics	
Run ID	xj4wang_run1
Topic type	manual
Contributed to judgment sets?	yes

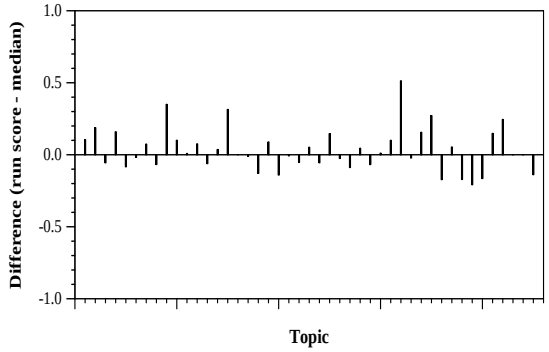
Overall measures	
Number of topics	45
Total number retrieved	41931
Total relevant	5824
Total relevant retrieved	3241
MAP	0.2963
Mean Bpref	0.5507
Mean NDCG@20	0.7019
Mean RBP(p=0.5)	0.7946 +0.0194

Document Level Averages	
	Precision
At 5 docs	0.8933
At 10 docs	0.8422
At 15 docs	0.7644
At 20 docs	0.7244
At 30 docs	0.6378

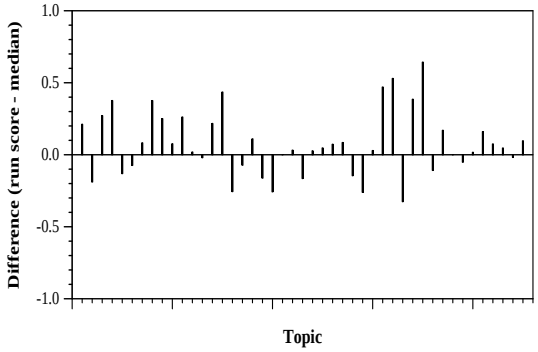
R-Precision	
Exact	0.3503





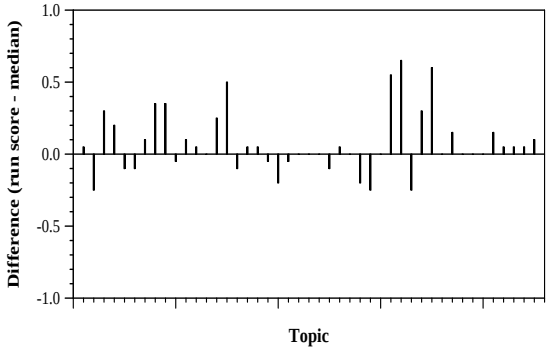


Per-topic difference from median bpref for all Round 4 runs

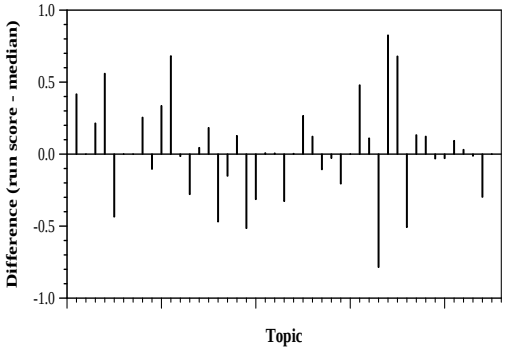


Per-topic difference from median NDCG@20 for all Round 4 runs

Round 4 results — Run xj4wang_run1 submitted from xj4wang



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