Round 5 results — Run HKPU-MATF-dPRF submitted from HKPU

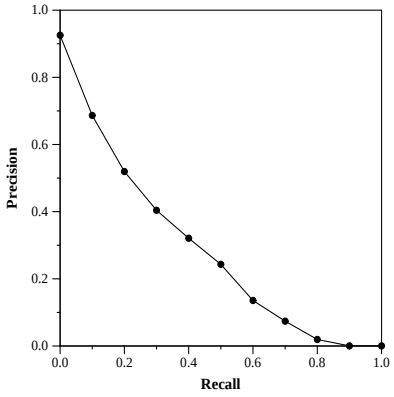
Run Description

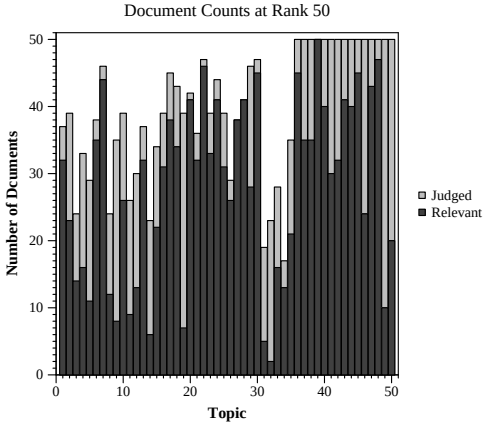
The index is built from the combined title and abstract fields of the metadata file. Retrieval is performed by the MATF model (Paik, J.H., A novel tf-idf weighting scheme for effective ranking. In Proceedings of the ACM SIGIR (2013), pp. 343-352), on long queries consisting of the combined Query, Question and Narrative. Document -based retrieval with pseudo-relevance feedback is employed. The method applied in this run is the same as our submission HKPU-MATF-pPRF in Round 4, with the exception that document-based retrieval is used in this run (HKPU-MATF-dPRF), while passage-based retrieval is used for the previous HKPU-MATF-pPRF. The difference between document-based and passage-based retrieval in the current task is expected to be not significant, as the documents mainly consist of short texts containing the title and the abstract.

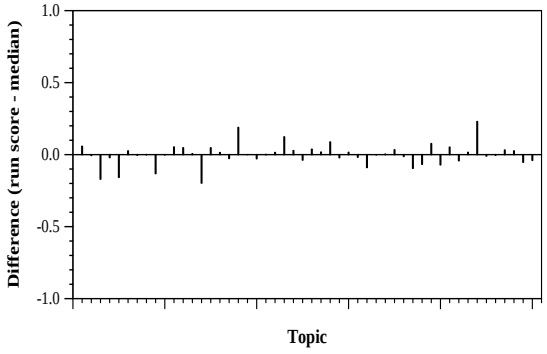
Summary Statistics	
Run ID	HKPU-MATF-dPRF
Topic type	automatic
Contributed to judgment sets?	yes

Overall measures	
Number of topics	50
Total number retrieved	49902
Total relevant	10910
Total relevant retrieved	6423
MAP	0.2811
Mean Bpref	0.4644
Mean NDCG@20	0.6415
Mean RBP(p=0.5)	0.6935 +0.0005

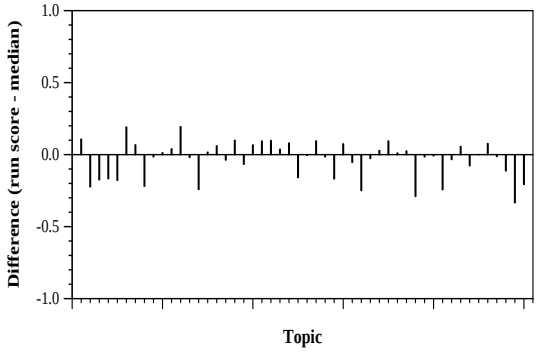
Document Level Averages	
	Precision
At 5 docs	0.8240
At 10 docs	0.7600
At 15 docs	0.7307
At 20 docs	0.6940
At 30 docs	0.6420
R-Precision	
Exact	0.3315







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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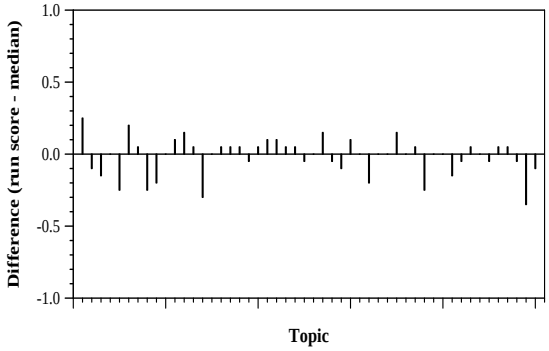
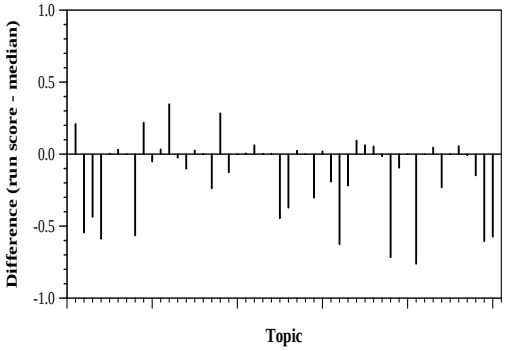


Per-topic difference from median P@20 for all Round 4 runs



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