

## Round 5 results — Run HKPU-Gos1-dPRF submitted from HKPU

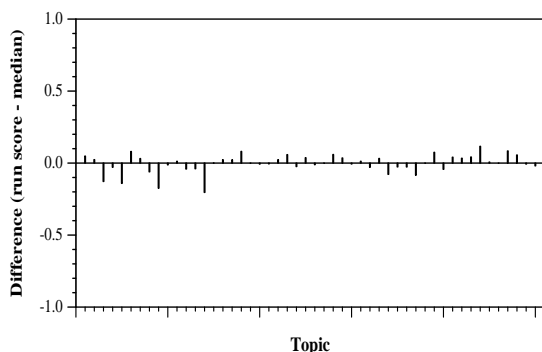
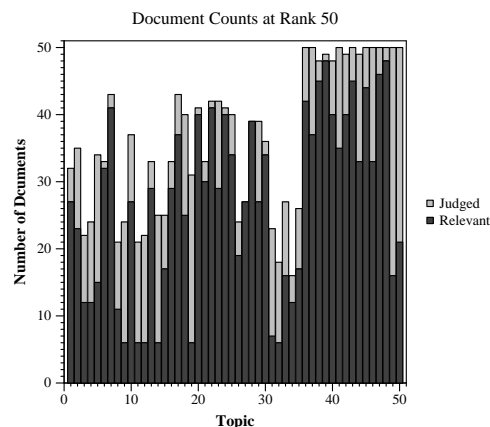
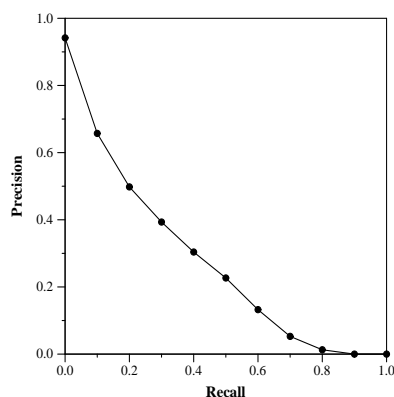
### Run Description

The index is built from the combined title and abstract fields of the metadata file. Retrieval is performed with the scoring function #1 presented in the Conclusion section (p.469) of the paper by Goswami et al. (Goswami et al, Exploring the space of information retrieval term scoring functions, Information Processing and Management, 53 (2017), p.454-472), 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-Gos1-pPRF in Round 4, with the exception that document-based retrieval is used in this run (HKPU-Gos1-dPRF), while passage-based retrieval is used for the previous HKPU-Gos1-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.

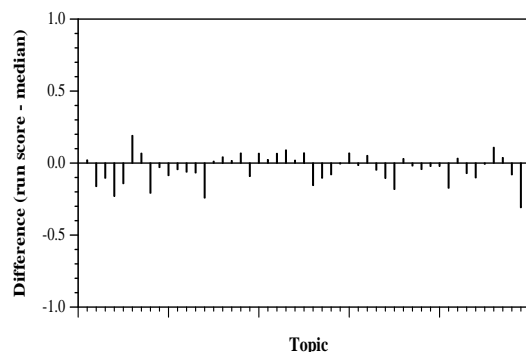
Summary Statistics	
Run ID	HKPU-Gos1-dPRF
Topic type	automatic
Contributed to judgment sets?	no

Overall measures	
Number of topics	50
Total number retrieved	49899
Total relevant	10910
Total relevant retrieved	6410
MAP	0.2681
Mean Bpref	0.4625
Mean NDCG@20	0.6347
Mean RBP(p=0.5)	0.7141 +0.0122

Document Level Averages	
	Precision
At 5 docs	0.8040
At 10 docs	0.7480
At 15 docs	0.7067
At 20 docs	0.6730
At 30 docs	0.6187
R-Precision	
Exact	0.3277



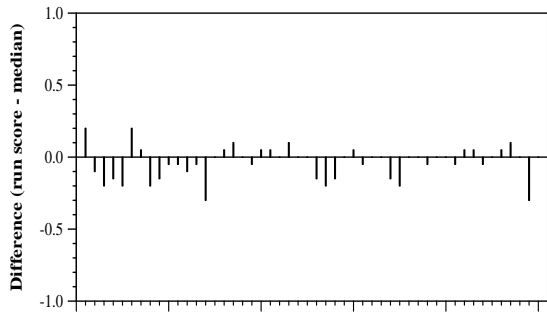
Per-topic difference from median bpref for all Round 4 runs



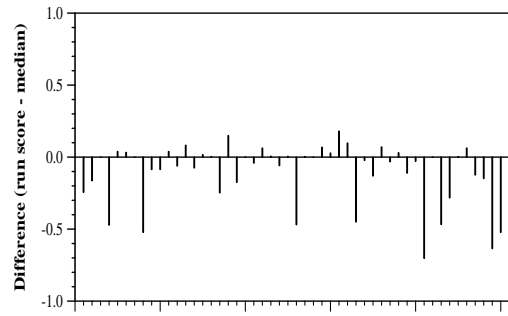
Per-topic difference from median NDCG@20 for all Round 4 runs

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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