

Round 2 results — Run soboroffFiltering submitted from IRLabKU

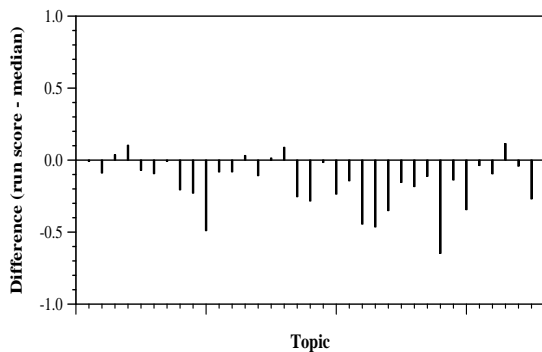
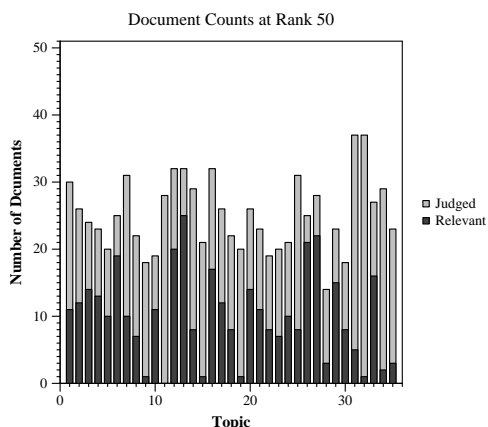
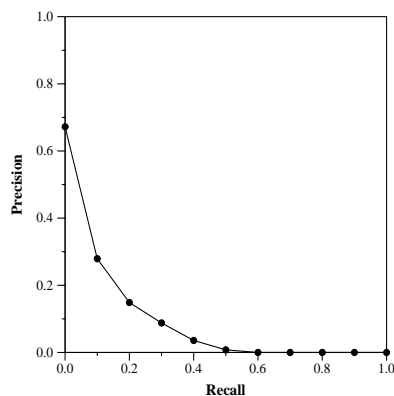
Run Description

–We create 3 indexes: 1) Based on title+abstract, 2) Based on full-text, and 3) Based on title+abstract+paragraph (a document is split into para1, para2, ..., paraK, and we create K+1 documents of the form title+abstract, title+abstract+para1, title+abstract+para2. –We create 4 different types of queries: 1) Query + named_entities(question), 2) Query + named_entities(question) + named_entities(narrative), 3) Question + named_entities(query), and 4) Question + named_entities(query) + named_entities(narrative) –For each query type we create 4 runs (default BM25 + default RM3): 1) We search in index of title+abstract, 2) We search in index of full-text, 3) We search in index of title+abstract+paragraph (where we only keep the first occurrence of a document and delete the following duplicates), and 4) We search in index of title+abstract+paragraph (where we don't remove the duplicates) Finally, based on these 4 runs, we use reciprocal rank fusion to get 1 run. –Now, we have 4 fusion runs, which we use to create a final reciprocal rank fusion (Fusion of Fusions). We also create a fusion of the 16 runs without an intermediate fusion (Fusion of Runs). –Finally, we use reciprocal rank fusion between the 9 automatic runs, that did not contribute to the pooling and was chosen based on the middle runs from Soboroff's Method [1] out of 27 possible runs, from round 1, as well as our own 2 fusion runs. [1] <http://research.nii.ac.jp/ntcir/workshop/OnlineProceedings8/EVIA/05-EVIA2010-SakaiT.pdf>

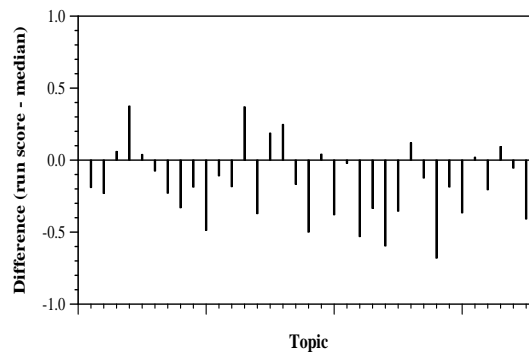
Summary Statistics	
Run ID	soboroffFiltering
Topic type	automatic
Contributed to judgment sets?	no

Overall measures	
Number of topics	35
Total number retrieved	35000
Total relevant	3002
Total relevant retrieved	1141
MAP	0.0826
Mean Bpref	0.2193
Mean NDCG@10	0.3078
Mean RBP(p=0.5)	0.3332 +0.0953

Document Level Averages	
	Precision
At 5 docs	0.4571
At 10 docs	0.3857
At 15 docs	0.3238
At 20 docs	0.3014
At 30 docs	0.2552
R-Precision	
Exact	0.1492

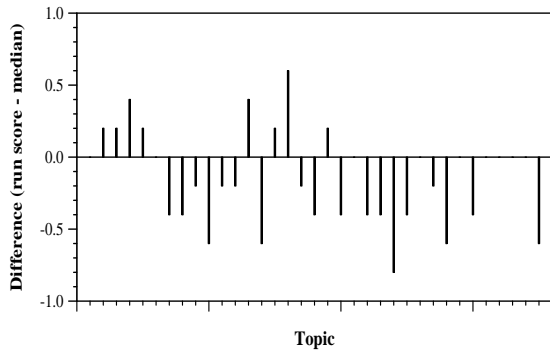


Per-topic difference from median bpref for all Round 2 runs

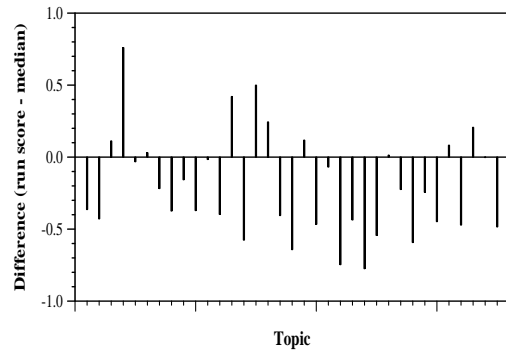


Per-topic difference from median NDCG@10 for all Round 2 runs

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Per-topic difference from median P@5 for all Round 2 runs



Per-topic difference from median RBP(p=0.5) for all Round 2 runs