Round 2 results — Run udel_fang_FB submitted from udel_fang

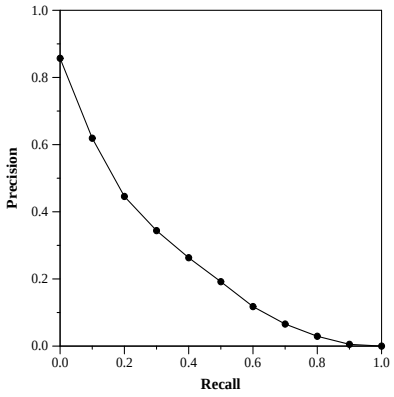
Run Description

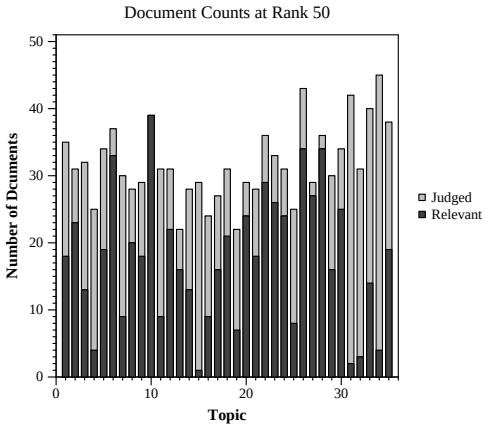
We build an index with title and abstract from the metadata file. The non-stopwords in query field and entities recognized by SciSpacy in question field are combined to form the queries. For the first 30 queries, we perform relevance feedback. More specifically, we use F2EXP as the retrieval function and axiomatic expansion method to select expansion terms. We pick all relevant documents with relevance grade of 2 to form the relevant document pool for each query, and if there are less than 20 documents for a query, we randomly add relevant documents with relevance grade of 1 until there are 20. For the 5 new queries, the method is similar to that of the first 30 and the only difference is that we use pseudo relevance feedback and the number of feedback documents is set to 20. For all 35 queries, we return the first 1000 documents that were not judged for the queries.

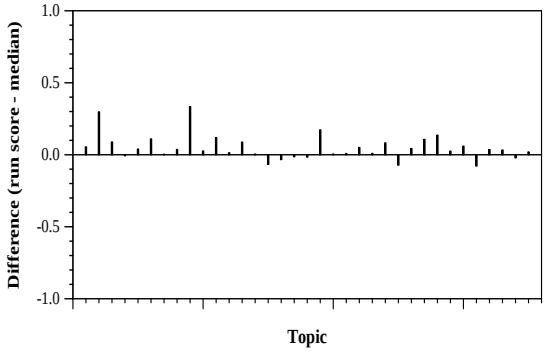
Summary Statistics	
Run ID	udel_fang_FB
Topic type	feedback
Contributed to judgment sets?	yes

Overall measures	
Number of topics	35
Total number retrieved	35000
Total relevant	3002
Total relevant retrieved	1854
MAP	0.2436
Mean Bpref	0.4185
Mean NDCG@10	0.5625
Mean RBP(p=0.5)	0.6237 +0.0015

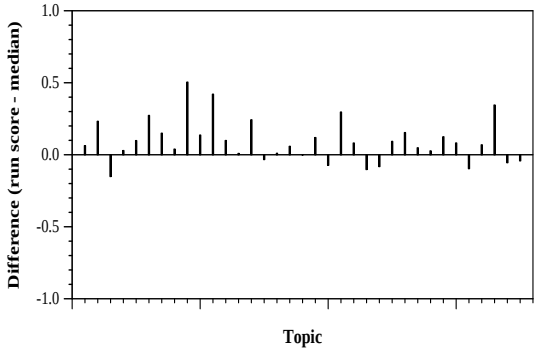
Document Level Averages	
	Precision
At 5 docs	0.6686
At 10 docs	0.6143
At 15 docs	0.5410
At 20 docs	0.5043
At 30 docs	0.4362
R-Precision	
Exact	0.2936







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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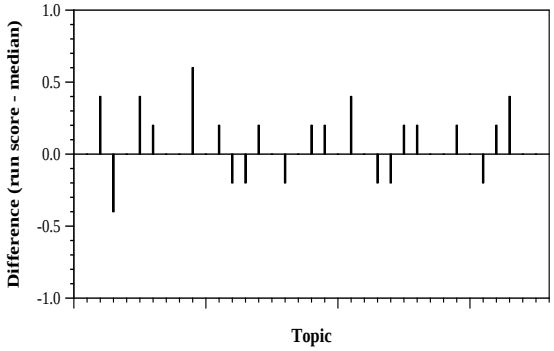
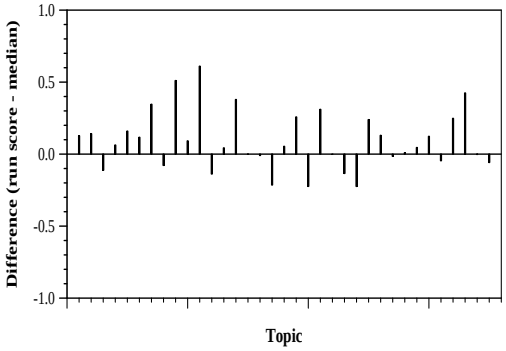


Per-topic difference from median P@5 for all Round 2 runs



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