Round 1 results — Run CSIROmed_PE submitted from CSIROmed
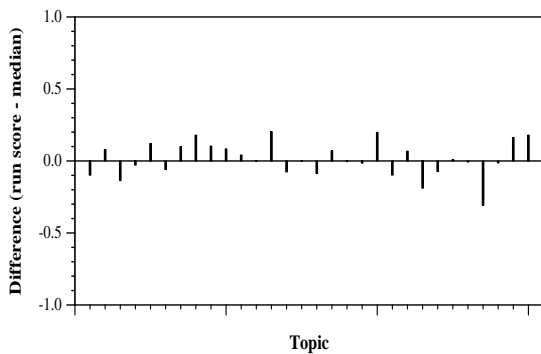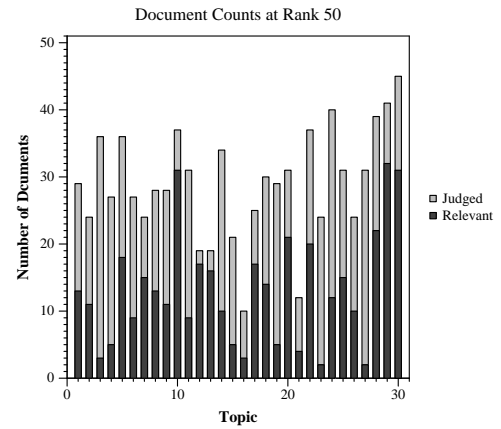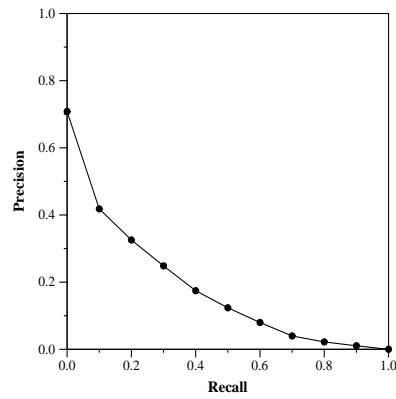
Run Description

Initial ranking is obtained with DFR model (edismax search over all indexed fields using 'question' value of the topic). Initial ranking step is followed by re-ranking of top 50 results per topic. For re-ranking we implemented an unsupervised approach for matching document sentences to query (question), based on max-pooled word embeddings and fuzzy Jaccard index (https://arxiv.org/abs/1904.13264). Sentence level scores were 4-max pooled, summed and interpolated with the original DFR scores for each document. Additionally, a boolean filter has been used to match documents published after November 2019.
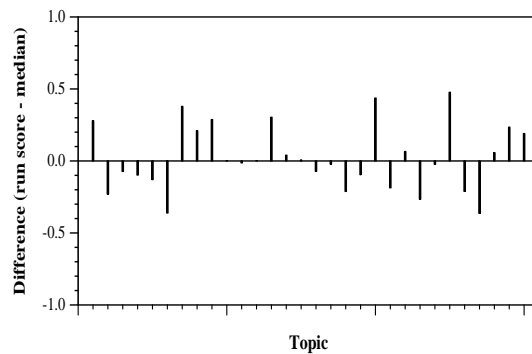
Summary Statistics	
Run ID	CSIROmed_PE
Topic type	automatic
Contributed to judgment sets?	yes

Overall measures	
Number of topics	30
Total number retrieved	30000
Total relevant	2352
Total relevant retrieved	1240
MAP	0.1721
Mean Bpref	0.3391
Mean NDCG@10	0.3789

Document Level Averages	
	Precision
At 5 docs	0.4667
At 10 docs	0.4267
At 15 docs	0.4067
At 20 docs	0.3800
At 30 docs	0.3356
R-Precision	
Exact	0.2331

Document Counts at Rank 50

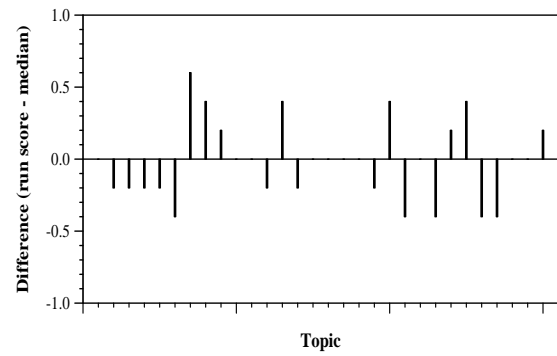Per-topic difference from median bpref for all Round 1 runs

Per-topic difference from median NDCG@10 for all Round 1 runs

Per-topic difference from median P@5 for all Round 1 runs