## Run Description

For this run, we used Terrier-v5.2, an open source Information Retrieval (IR) platform. All the documents (title and abstracts) used in this study were first pre-processed before indexing and this involved tokenising the text and stemming each token using the full Porter stemming algorithm. Stopword removal was enabled and we used Terrier-v5.2 stopword list. We used PL2 Divergence from Randomness term weighting model in Terrier-v5.2 IR platform to score and rank the documents. The hyper-parameter for PL2 was set to its default value of b = 1.0. During retrieval we used only the query in the topic. As improvement, We used the Terrier-4.0 Divergence from Randomness (DRF) Bose - Einstein 1 (Bo1) model for query expansion to select the 10 most informative terms from the top 3 ranked documents after the first pass retrieval (on the local collection). We then performed a second pass retrieval on the local collection with the new expanded query.

Summary Statistics	
Run ID	PL2c1.0_Bo1
Topic type	automatic
Contributed to judgment sets?	no

Overall measures	
Number of topics	30
Total number retrieved	30000
Total relevant	2352
Total relevant retrieved	1155
MAP	0.1802
Mean Bpref	0.3724
Mean NDCG@10	0.3466

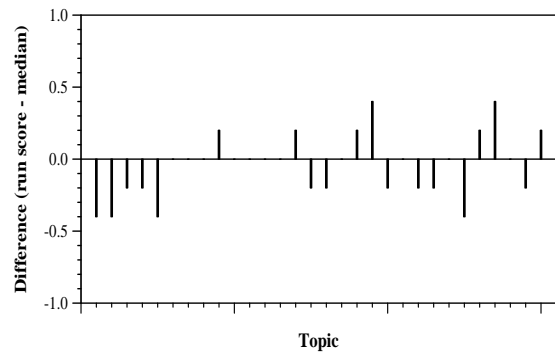| Document Level Averages	
	Precision
At 5 docs	0.4400
At 10 docs	0.4100
At 15 docs	0.4000
At 20 docs	0.3767
At 30 docs	0.3344
R-Precision	
Exact	0.2370

Document Counts at Rank 50
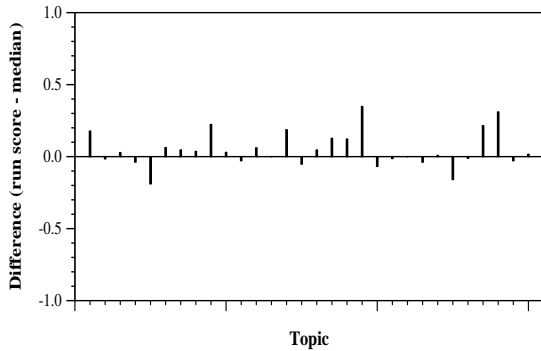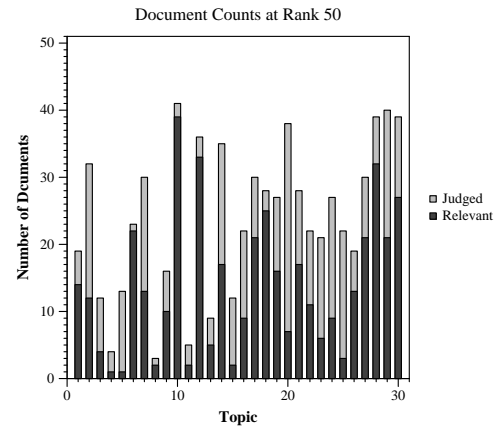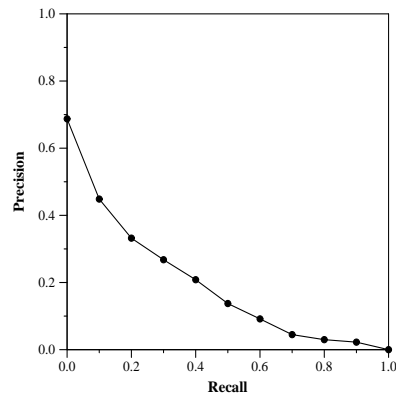
Per-topic difference from median bpref for all Round 1 runs
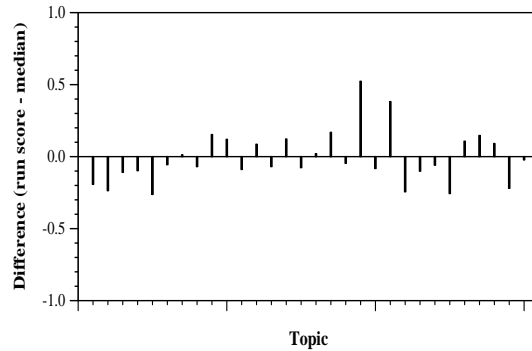
Per-topic difference from median NDCG@10 for all Round 1 runs

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