

Round 1 results — Run CBOWexp.0 submitted from UB_BW

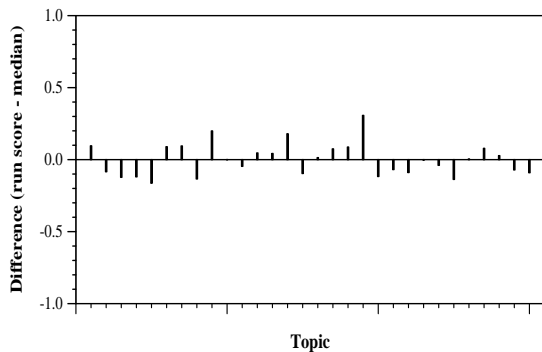
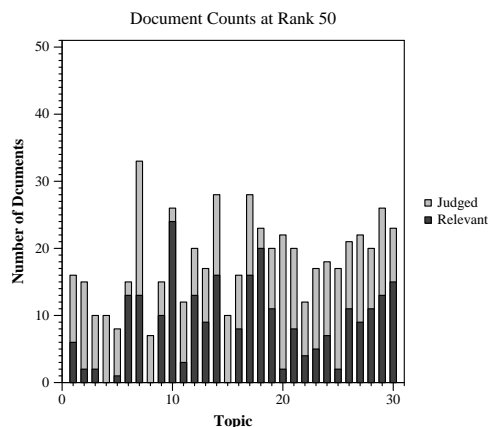
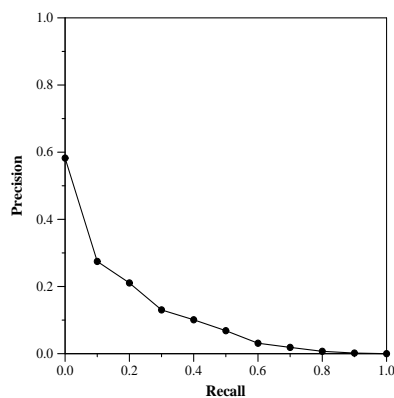
Run Description

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 stopwords 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 $b = 1.0$. We used our document collection to train a word2vec model which we used to expand our query before retrieval. We used the continuous bag of words (CBOW) as our training algorithm with the dimensions of the embeddings set to 100. The window and the minimum count of words were set to 5 and the number of workers set to 3. Using our trained model, we selected the 10 most similar words to our query for expansion and then performed retrieval on the indexed collection.

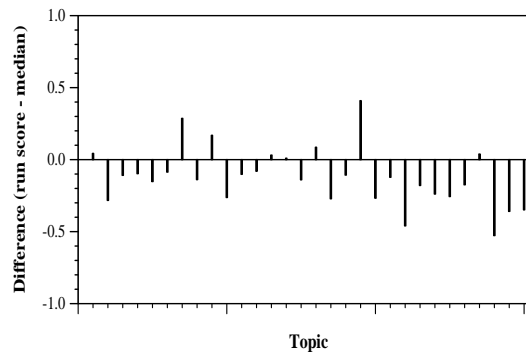
Summary Statistics	
Run ID	CBOWexp.0
Topic type	automatic
Contributed to judgment sets?	yes

Overall measures	
Number of topics	30
Total number retrieved	30000
Total relevant	2352
Total relevant retrieved	1057
MAP	0.1010
Mean Bpref	0.3242
Mean NDCG@10	0.2354

Document Level Averages	
	Precision
At 5 docs	0.3267
At 10 docs	0.3000
At 15 docs	0.2622
At 20 docs	0.2417
At 30 docs	0.2044
R-Precision	
Exact	0.1563

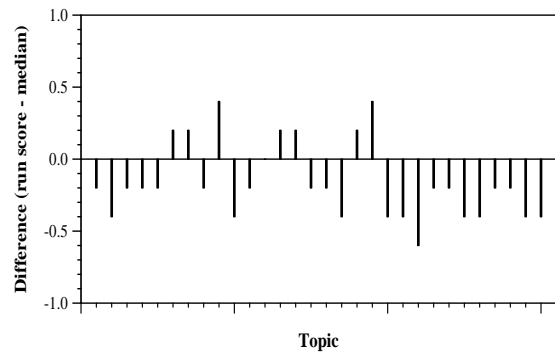


Per-topic difference from median bpref for all Round 1 runs



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

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