

Round 5 results — Run poznan_rerank1 submitted from POZNAN

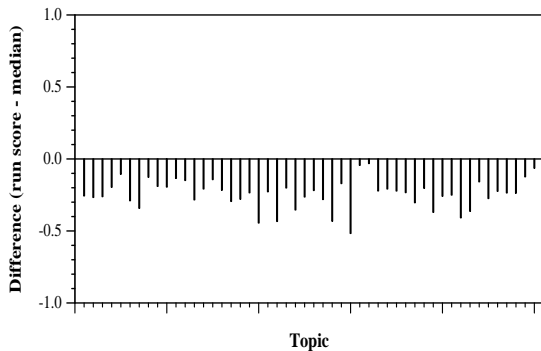
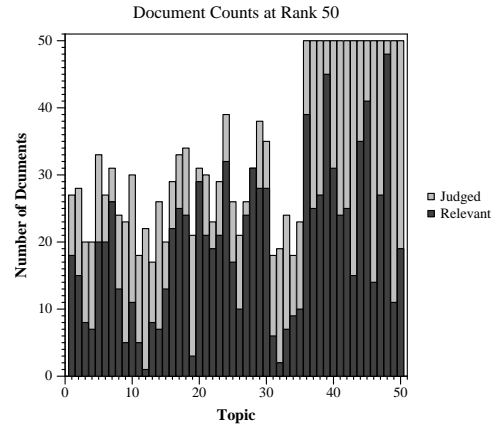
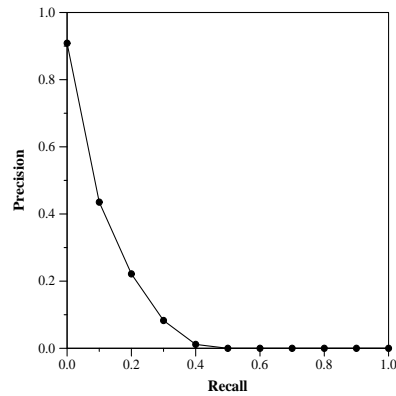
Run Description

Reranked baseline. Each document and query is converted into a list of word embeddings. Document and Query matrices are multiplied (to get similarities, vectors are normalized). Processed matrices of annotated documents are fed into a neural network (Conv2D->MaxPooling->Flatten->DNN->Concatenate->DNN(softmax). Neural network is used to rerank baselines - a document and query are put into a network to get a score for each pair in baseline ranking. Weighted score is added to DFR_BM25 score. Training strategy: leave one out n-fold.

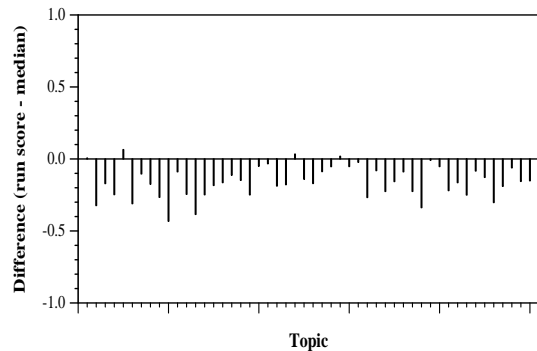
Summary Statistics	
Run ID	poznan_rerank1
Topic type	feedback
Contributed to judgment sets?	yes

Overall measures	
Number of topics	50
Total number retrieved	37092
Total relevant	10910
Total relevant retrieved	2913
MAP	0.1117
Mean Bpref	0.2229
Mean NDCG@20	0.5190
Mean RBP(p=0.5)	0.6769 +0.0012

Document Level Averages	
	Precision
At 5 docs	0.7000
At 10 docs	0.6200
At 15 docs	0.5667
At 20 docs	0.5350
At 30 docs	0.4740
R-Precision	
Exact	0.1841

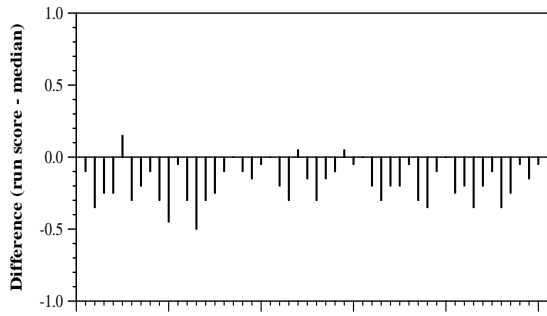


Per-topic difference from median bpref for all Round 4 runs

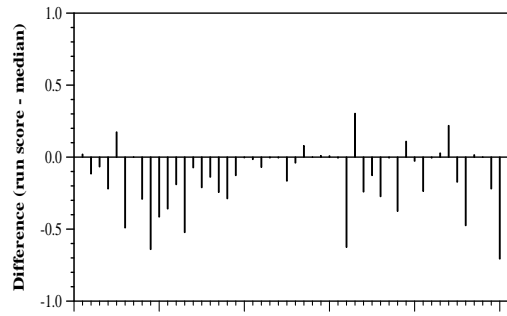


Per-topic difference from median NDCG@20 for all Round 4 runs

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Per-topic difference from median P@20 for all Round 4 runs



Per-topic difference from median RBP(p=0.5) for all Round 4 runs