

Round 2 results — Run Bioinfo-run3 submitted from BioinformaticsUA

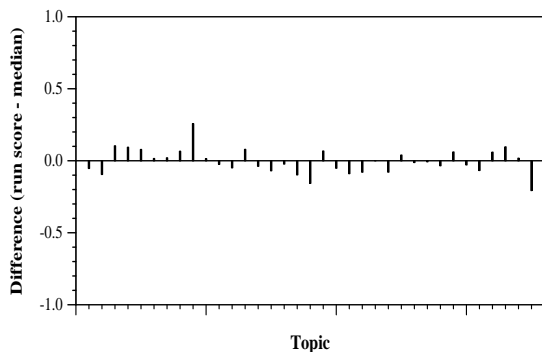
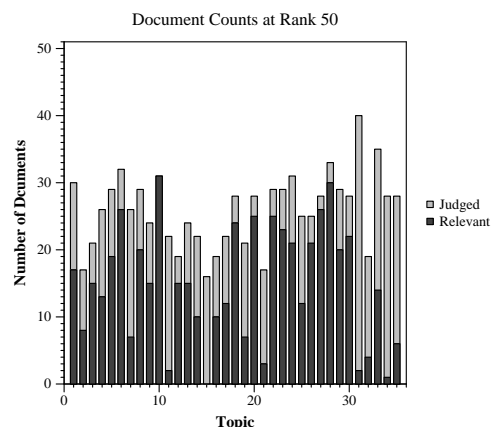
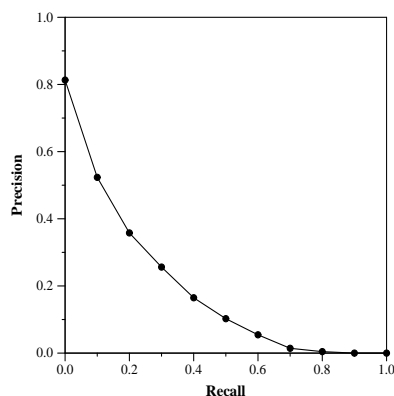
Run Description

5Fold (qrels) ensemble of the following system: The system uses a standard BM25 + Neural ranking model. In the retrieval were considered only documents that have title+abstract, the model was trained on BioASQ 7b and finetuned on qrels do round1. The neural ranking is built upon the DeepRank model and a more complete description can be found here [1]. The word embeddings were computed on CORD+Pubmed corpus using word2vec. For each topic, the field "question" was used to express the information need on rerank and for the bm25 was used the "UDEL" queries [2]. REFs: [1] T. Almeida and S. Matos, "Calling Attention to Passages for Biomedical Question Answering," in Advances in Information Retrieval, 2020, pp. 69–77. [2] <https://github.com/castorini/anserini/blob/master/src/main/resources/topics-and-qrels/topics.covid-round2-udel.xml>

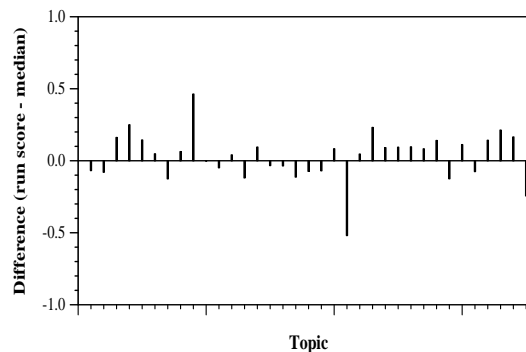
Summary Statistics	
Run ID	Bioinfo-run3
Topic type	feedback
Contributed to judgment sets?	yes

Overall measures	
Number of topics	35
Total number retrieved	35000
Total relevant	3002
Total relevant retrieved	1568
MAP	0.1830
Mean Bpref	0.3648
Mean NDCG@10	0.5016
Mean RBP(p=0.5)	0.5863 +0.0025

Document Level Averages	
	Precision
At 5 docs	0.5943
At 10 docs	0.5429
At 15 docs	0.4876
At 20 docs	0.4357
At 30 docs	0.3762
R-Precision	
Exact	0.2398

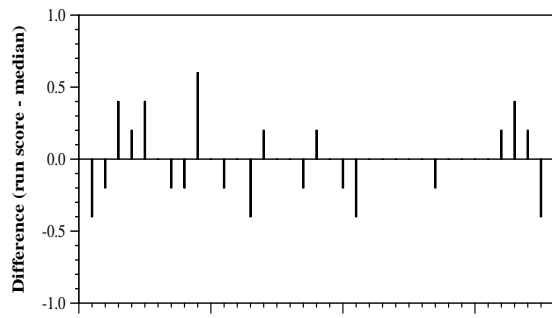


Per-topic difference from median bpref for all Round 2 runs

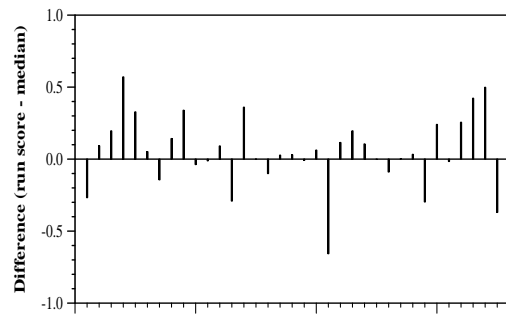


Per-topic difference from median NDCG@10 for all Round 2 runs

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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