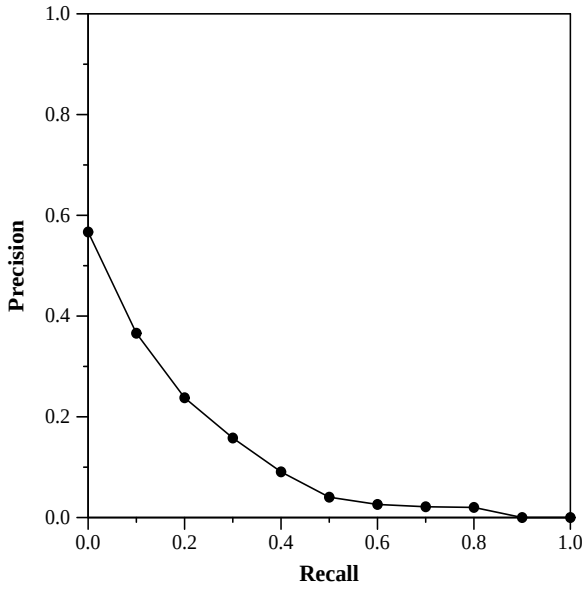
Deep Learning Track results — (BASELINES) Baseline Runs for TREC Deep Learning

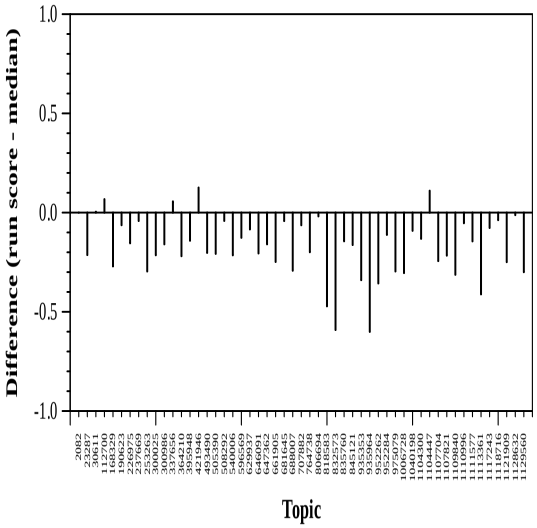
Run Description	
Run ID:	bl_bcai_p_trad
Task:	Passage Ranking
Subtask:	Full ranking from the collection
Topic type:	Automatic
Single-stage retrieval?	No
Dense retrieval?	No
Used deep nn model?	No neural representation learning
Type of training:	This year's MS MARCO training data
Pre-processing/indexing cost:	1. Indexing document texts using Lucene. 2. Creation of forward indices for passages and documents. 3. Training lexical Model 1 for fields: headings, title, url, and passage text.
Query processing cost:	Re-ranking should be quite cheap: in the order of a few 100s of ms per core. Unfortunately, I don't have exact numbers, b/c all indices don't fit into memory and report numbers seriously affected by HDD I/O isn't very interesting.

Overall measures	
Number of topics	53
Total number retrieved	5300
Total relevant	3427
Total relevant retrieved	821
MAP	0.1133
Mean NDCG@10	0.4261
Mean Reciprocal Rank	0.5086

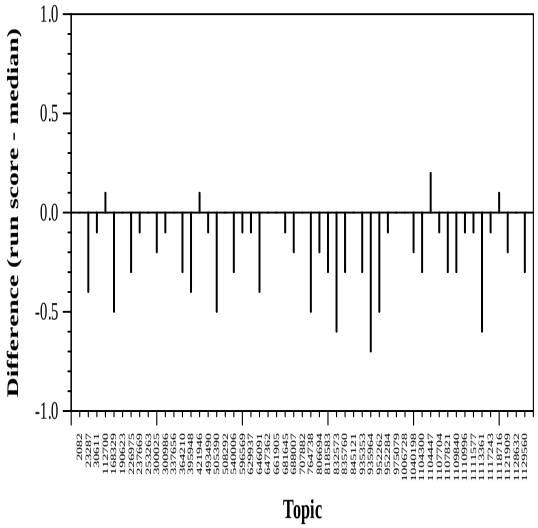
Document Level Averages	
	Precision
At 5 docs	0.3547
At 10 docs	0.3208
At 15 docs	0.2906
At 20 docs	0.2726
At 30 docs	0.2434

R-Precision	
Exact	0.1942

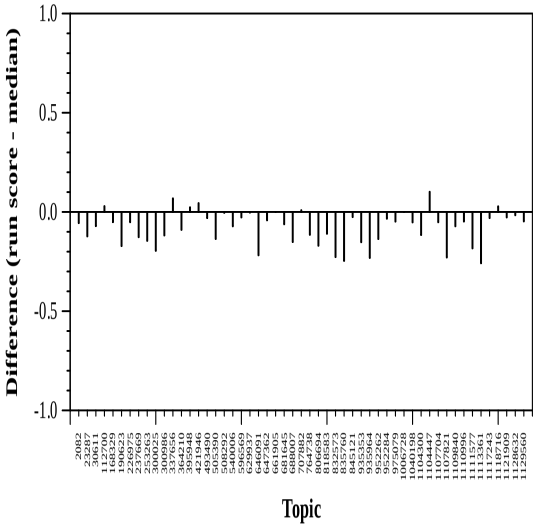




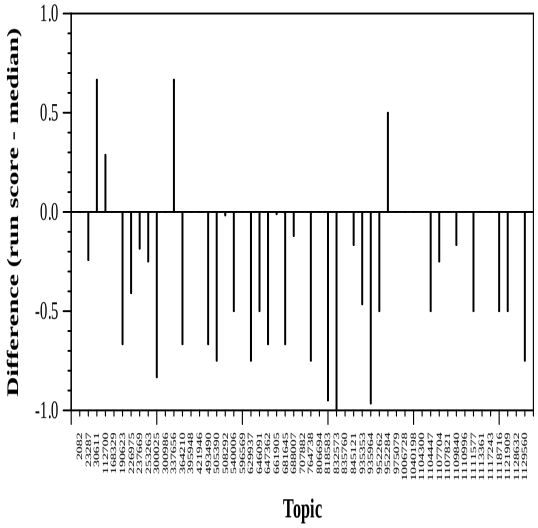
Per-topic difference from median for NDCG@10 for Passage Ranking runs



Per-topic difference from median for Prec@10 for Passage Ranking runs



Per-topic difference from median for Average Precision for Passage Ranking runs



Per-topic difference from median for Reciprocal Rank for Passage Ranking runs