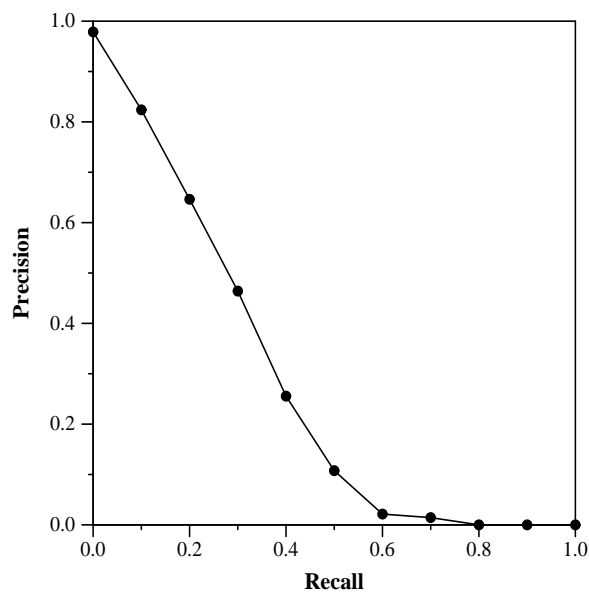


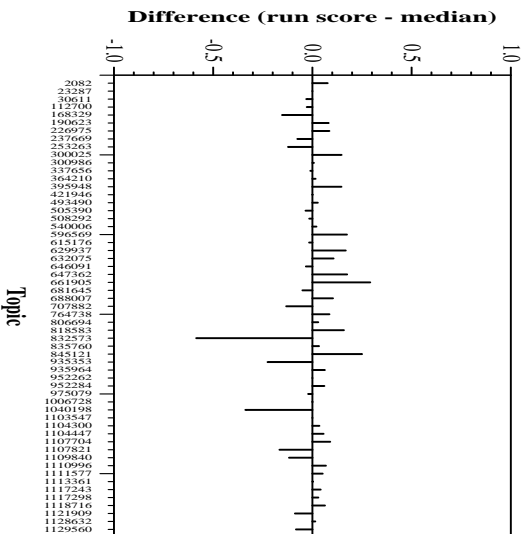
Deep Learning Track results — (BASELINES) Baseline Runs for TREC Deep Learning

Run Description	
Run ID:	bl_bcai_nn_rtr
Task:	Document Ranking
Subtask:	Full ranking from the collection
Topic type:	Automatic
Single-stage retrieval?	Yes
Dense retrieval?	Yes
Used deep nn model?	Pre-trained model
Type of training:	This year's MS MARCO training data; Previous year's MS MARCO training data
Pre-processing/indexing cost:	tokenization and indexing took several days on a 10-core server. document & query embedding took several days on a single RTX 3090.
Query processing cost:	7 seconds per core (brute-force exact search)

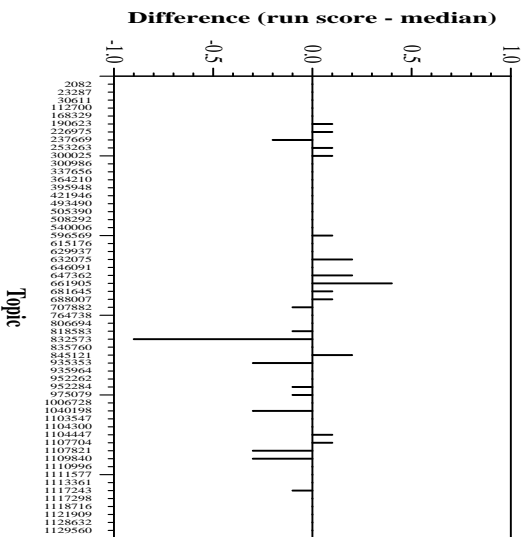
Overall measures		Document Level Averages	
Number of topics	57		Precision
Total number retrieved	5700	At 5 docs	0.8632
Total relevant	8203	At 10 docs	0.8140
Total relevant retrieved	2425	At 15 docs	0.7801
MAP	0.2749	At 20 docs	0.7509
Mean NDCG@10	0.6671	At 30 docs	0.6772
Mean Reciprocal Rank	0.9630	R-Precision	
		Exact	0.3329



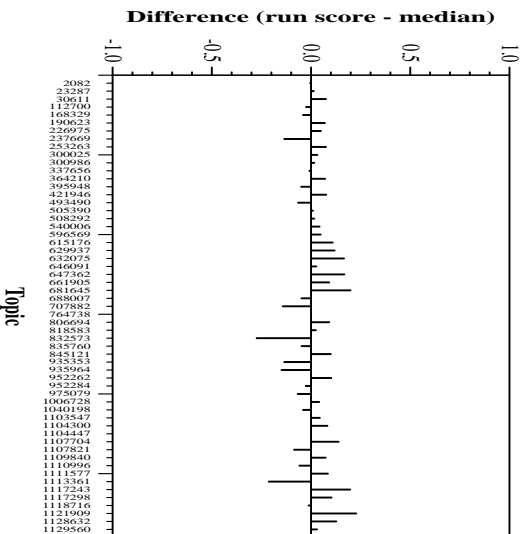
Deep Learning Track results — (BASELINES) Baseline Runs for TRREC Deep Learning



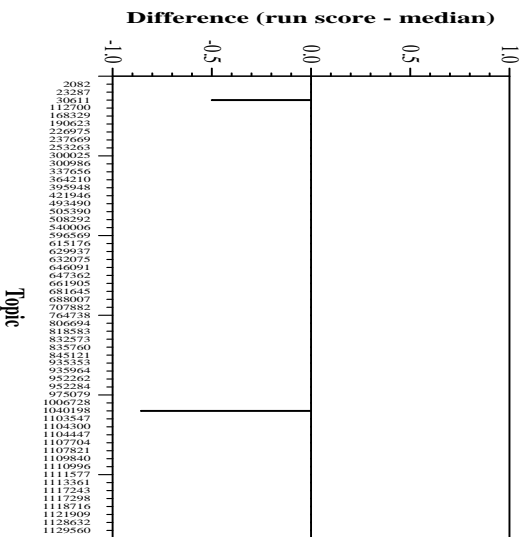
Per-topic difference from median for NDCG@10 for Document Ranking runs



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



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



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