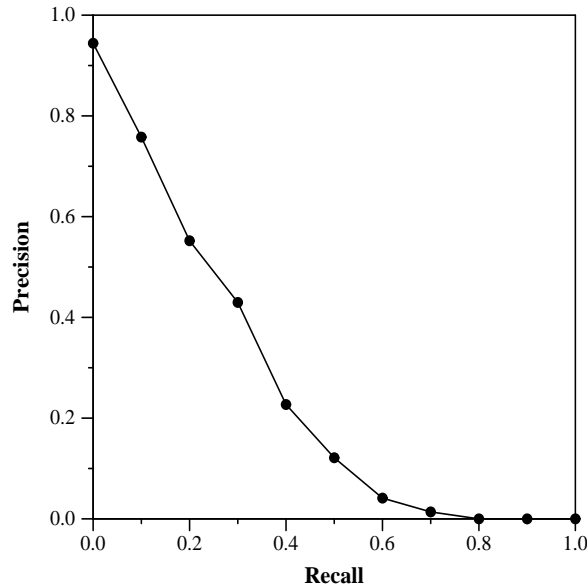
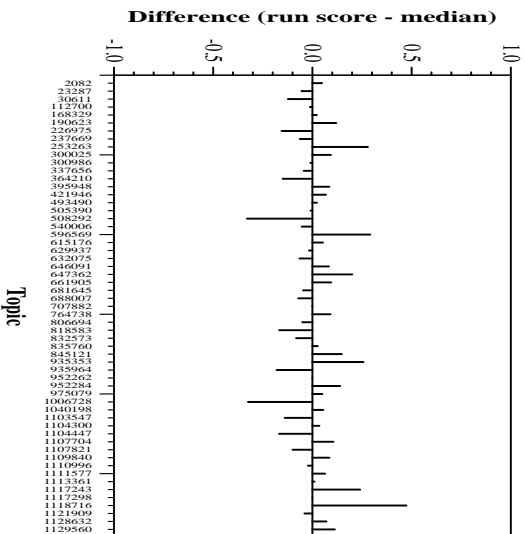


Deep Learning Track results — (BASELINES) Baseline Runs for TREC Deep Learning

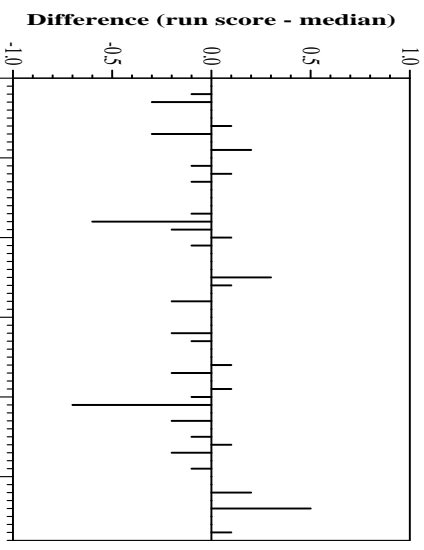
Run Description	
Run ID:	bl_bcai_wloo_d
Task:	Document Ranking
Subtask:	Full ranking from the collection
Topic type:	Automatic
Single-stage retrieval?	No
Dense retrieval?	Yes
Used deep nn model?	Pre-trained model
Type of training:	This year's MS MARCO training data; Previous year's MS MARCO training data
Pre-processing/indexing cost:	standard collection indexing (Lucene & forward files).
Query processing cost:	1. Retrieval: zero we use cached trun. 2. Re-ranking took 10 seconds for 300 passages on a single RTX 3090.

Overall measures		Document Level Averages	
Number of topics	57		Precision
Total number retrieved	5700	At 5 docs	0.8667
Total relevant	8203	At 10 docs	0.7947
Total relevant retrieved	2208	At 15 docs	0.7345
MAP	0.2534	At 20 docs	0.6930
Mean NDCG@10	0.6762	At 30 docs	0.6181
Mean Reciprocal Rank	0.9230	R-Precision	
		Exact	0.3161

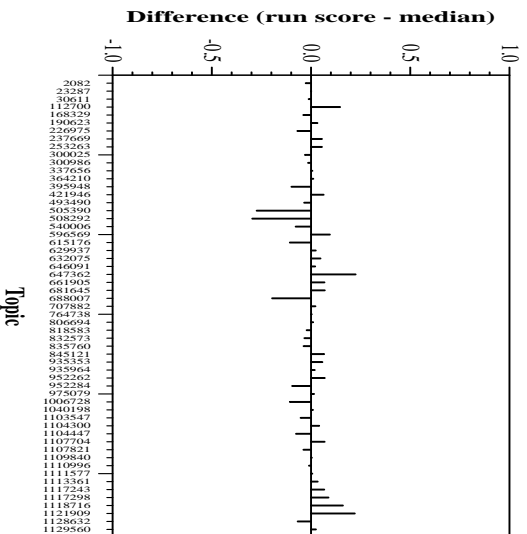




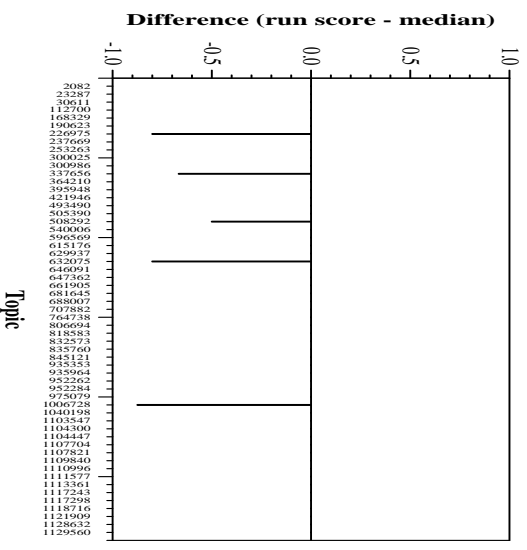
Per-topic difference from median for NDCG@10 for Document Ranking runs



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