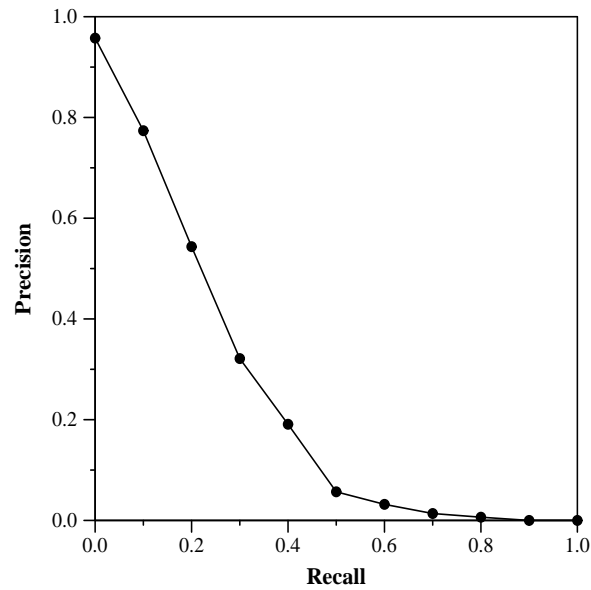


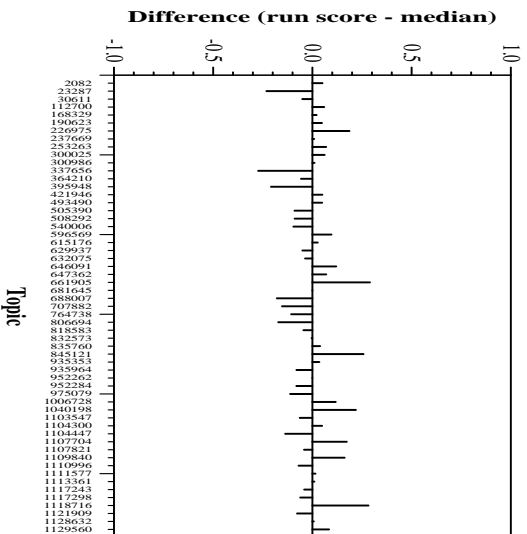
Deep Learning Track results — (h2oloo) University of Waterloo

Run Description	
Run ID:	d_f10_mdt5base
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:	Base run cost
Query processing cost:	mono - 20 mins on 1 TPU duo - 20 mins on 4 TPUs

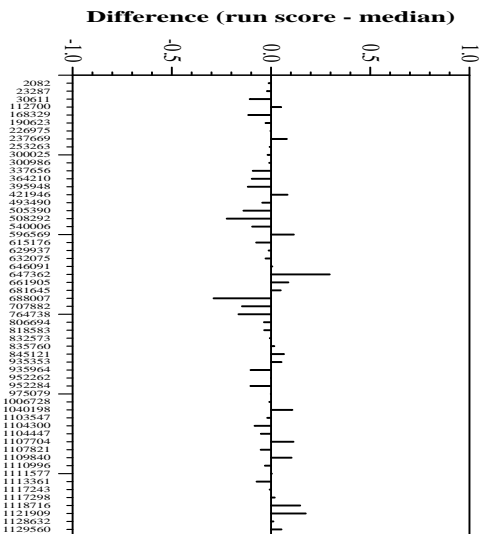
Overall measures	
Number of topics	57
Total number retrieved	5700
Total relevant	8203
Total relevant retrieved	2227
MAP	0.2376
Mean NDCG@10	0.6606
Mean Reciprocal Rank	0.9401

Document Level Averages	
Precision	
At 5 docs	0.8526
At 10 docs	0.8035
At 15 docs	0.7228
At 20 docs	0.6746
At 30 docs	0.6164
R-Precision	
Exact	0.3048

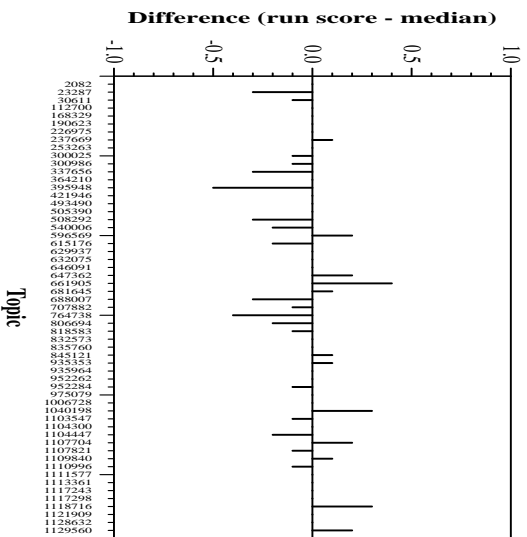




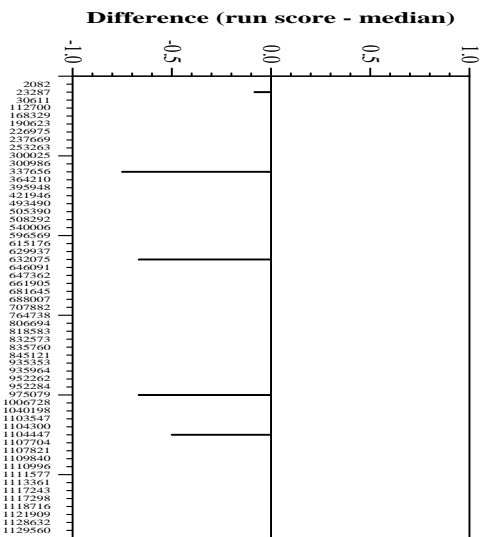
Per-topic difference from median for NDCG@10 for Document Ranking runs



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



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



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