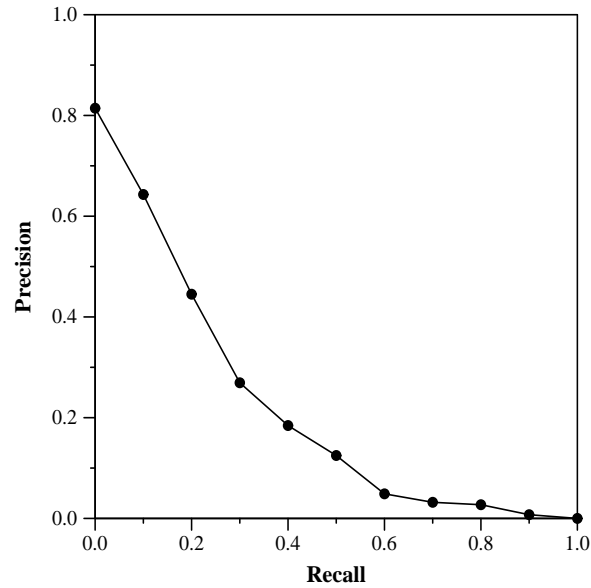


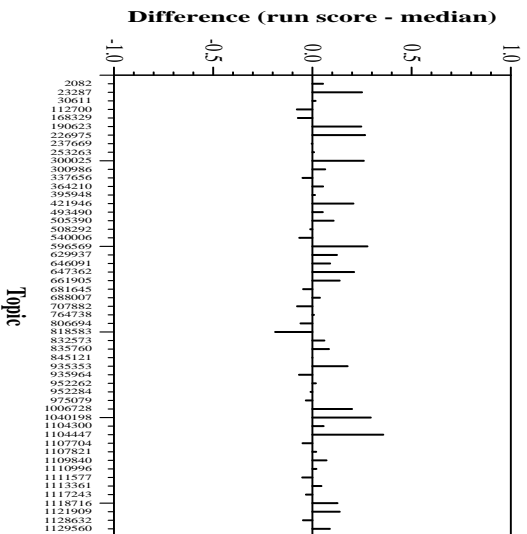
Deep Learning Track results — (h2oloo) University of Waterloo

Run Description	
Run ID:	p_f10_mdt53b
Task:	Passage 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 - 1 hour on 1 TPU duo - 1 hour on 4 TPUs

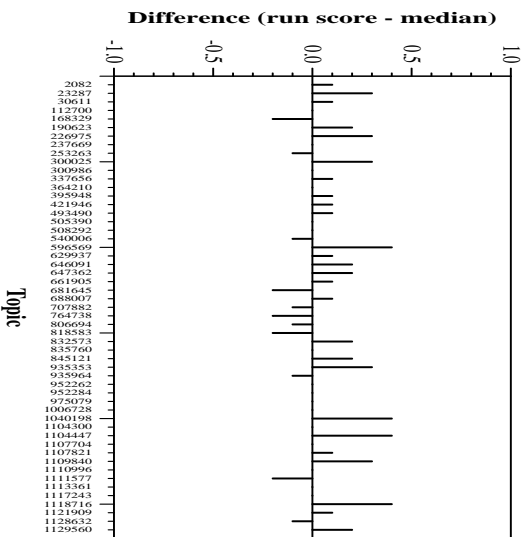
Overall measures	
Number of topics	53
Total number retrieved	5300
Total relevant	3427
Total relevant retrieved	974
MAP	0.2089
Mean NDCG@10	0.6617
Mean Reciprocal Rank	0.7871

Document Level Averages	
Precision	
At 5 docs	0.6000
At 10 docs	0.5774
At 15 docs	0.5094
At 20 docs	0.4594
At 30 docs	0.3824
R-Precision	
Exact	0.2594

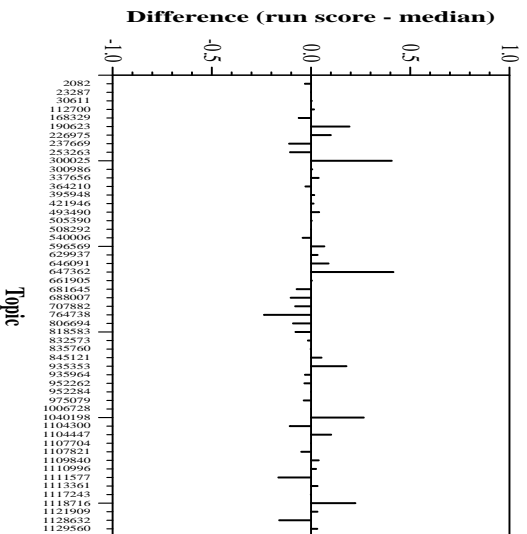




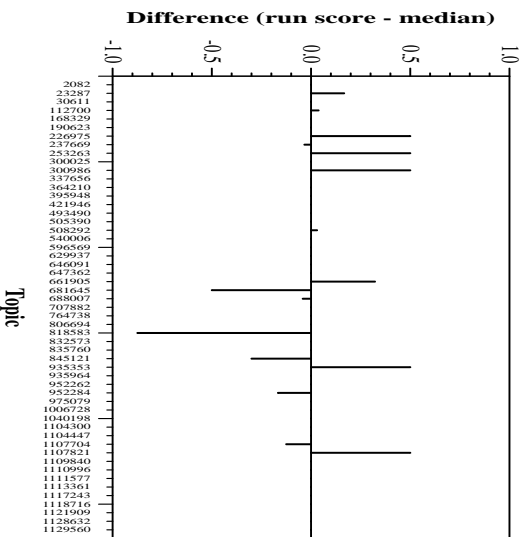
Per-topic difference from median for NDCG@10 for Passage Ranking runs



Per-topic difference from median for Precision 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