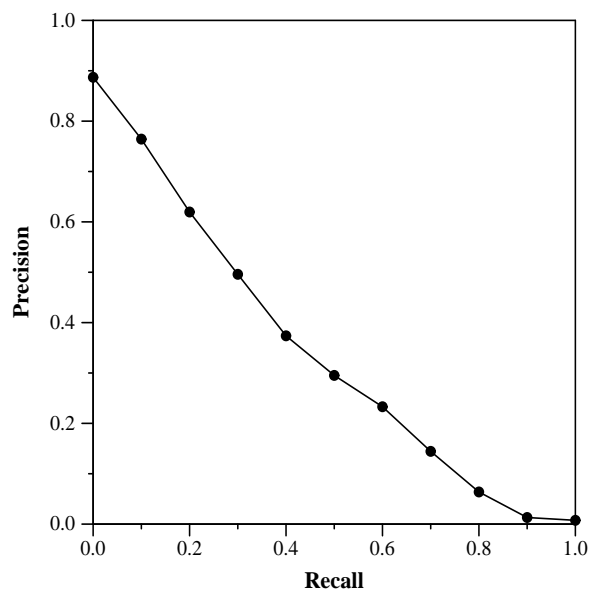
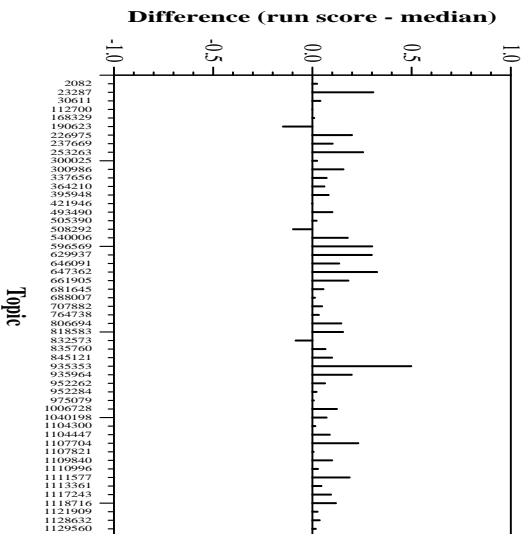


Run Description	
Run ID:	yorku21_a
Task:	Passage Ranking
Subtask:	Full ranking from the collection
Topic type:	Automatic
Single-stage retrieval?	No
Dense retrieval?	Yes
Used deep nn model?	Pre-trained model
Type of training:	Previous year's MS MARCO training data
Pre-processing/indexing cost:	1 NVIDIA V100 Volta (32G HBM2 memory), 6 cores Intel Silver 4216 Cascade Lake @ 2.1GHz, 187G memory, 480G SSD total GPU minutes: 900 minutes
Query processing cost:	1 NVidia V100SXM2 (16G memory), 6 cores Intel Gold 6148 Skylake @ 2.4 GHz, 186G memory, NVMe SSD 1.6T total GPU minutes: 4770 minutes

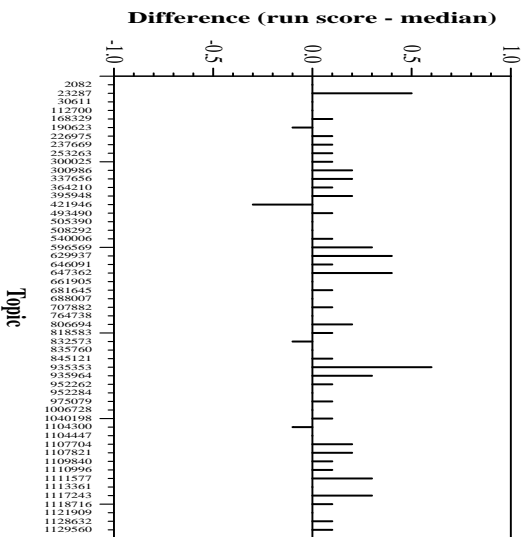
Overall measures	
Number of topics	53
Total number retrieved	5300
Total relevant	3427
Total relevant retrieved	1484
MAP	0.3309
Mean NDCG@10	0.6965
Mean Reciprocal Rank	0.8629

Document Level Averages	
Precision	
At 5 docs	0.6528
At 10 docs	0.6151
At 15 docs	0.5610
At 20 docs	0.5226
At 30 docs	0.4761
R-Precision	
Exact	0.3729

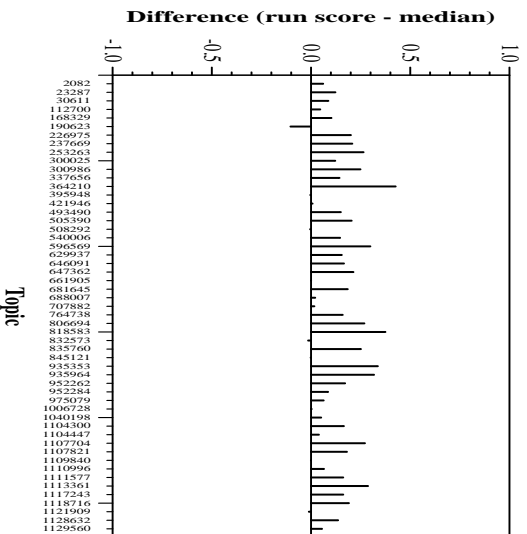




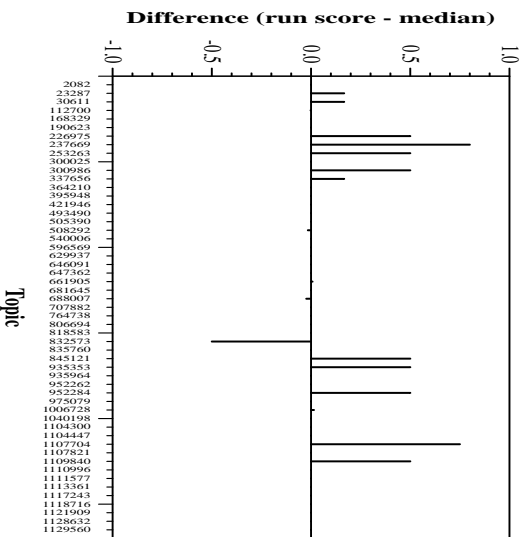
Per-topic difference from median for NDCG@10 for Passage Ranking runs



Per-topic difference from median for Precision@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