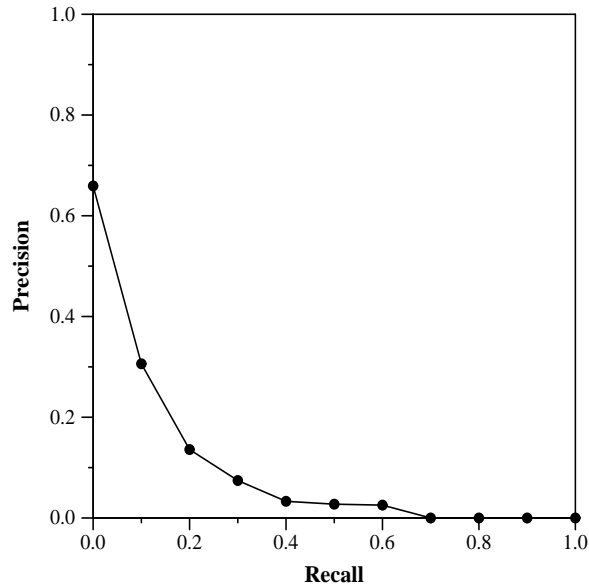
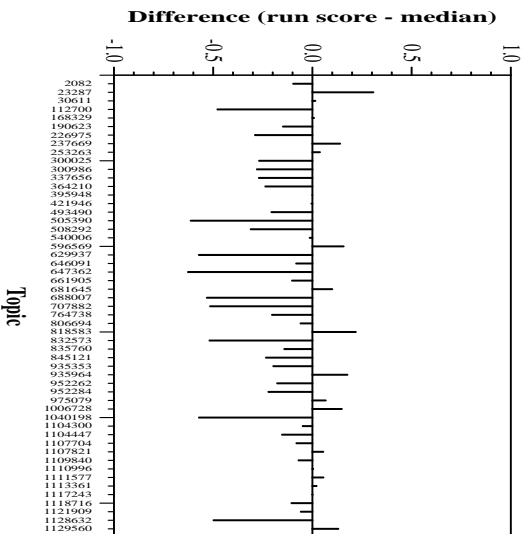


Run Description	
Run ID:	uogTrPC
Task:	Passage Ranking
Subtask:	Full ranking from the collection
Topic type:	Automatic
Single-stage retrieval?	No
Dense retrieval?	Yes
Used deep nn model?	Pre-trained model
Type of training:	Previous year's MS MARCO training data
Pre-processing/indexing cost:	Indexing corpus using GPUs was painful. The resulting ColBERT index is 2.7TB.
Query processing cost:	70 mins/query on 1 GPU, mostly due to IO on a shared disk, as the ColBERT indices wouldnt fit in RAM. We spread query load across many GPUs.

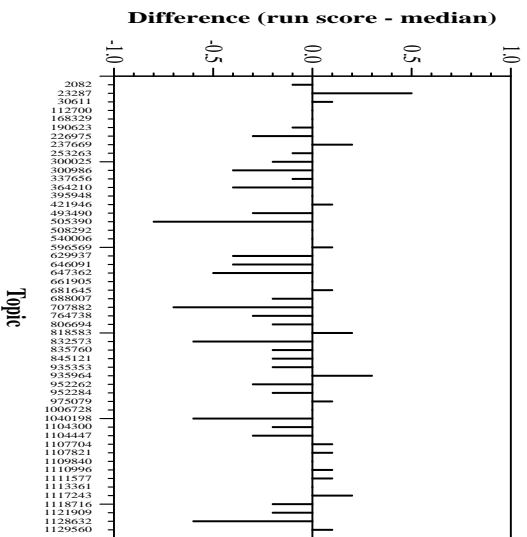
Overall measures	
Number of topics	53
Total number retrieved	5225
Total relevant	3427
Total relevant retrieved	333
MAP	0.0855
Mean NDCG@10	0.4611
Mean Reciprocal Rank	0.6119

Document Level Averages	
	Precision
At 5 docs	0.5170
At 10 docs	0.3755
At 15 docs	0.3031
At 20 docs	0.2519
At 30 docs	0.1811
R-Precision	
Exact	0.1191

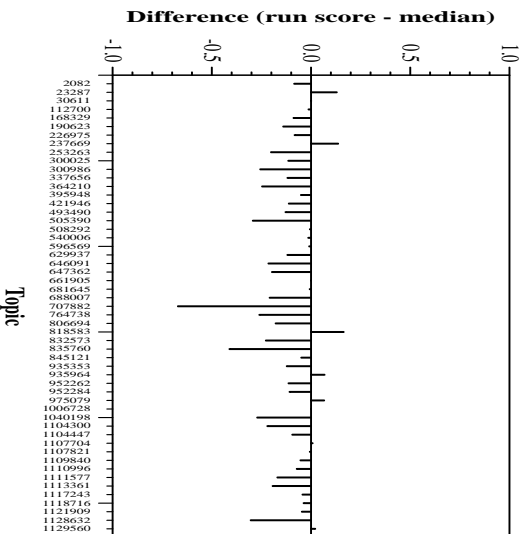




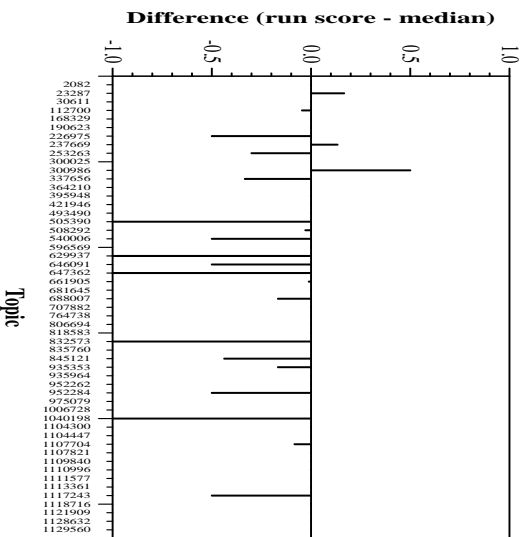
Per-topic difference from median for NDCG@10 for Passage Ranking runs



Per-topic difference from median for Prec@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