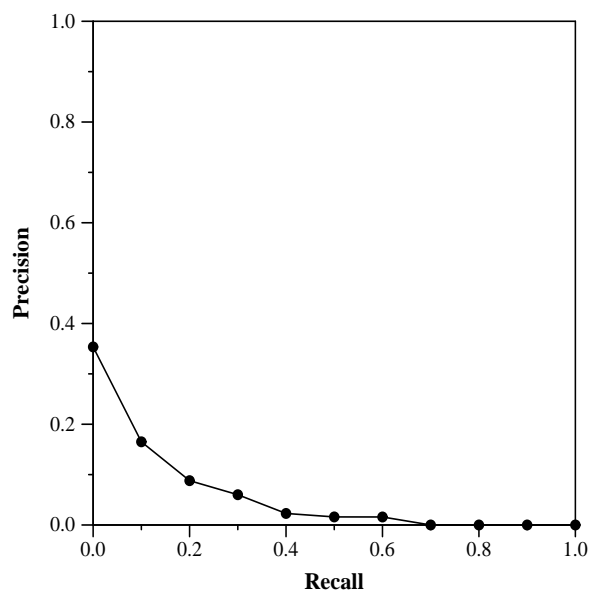
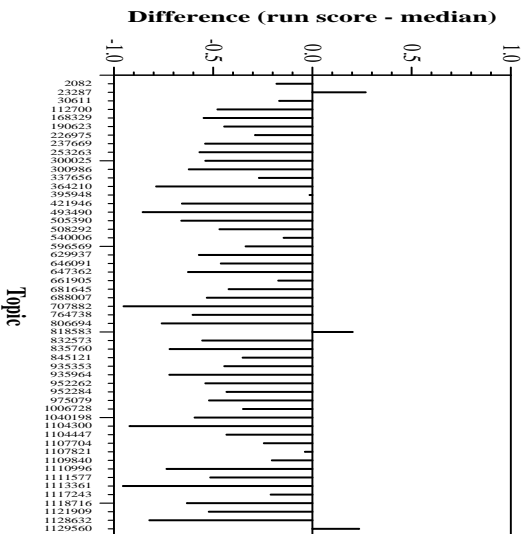


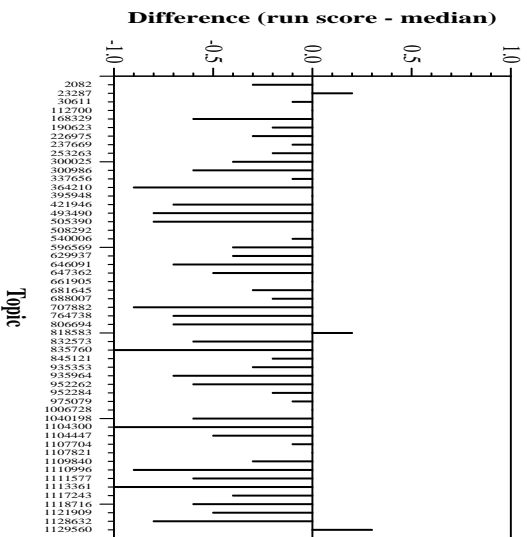
Run Description	
Run ID:	uogTrPCP
Task:	Passage Ranking
Subtask:	Full ranking from the collection
Topic type:	Automatic
Single-stage retrieval?	No
Dense retrieval?	Yes
Used deep nn model?	Pre-trained model
Type of training:	Previous year's MS MARCO training data
Pre-processing/indexing cost:	Indexing corpus using GPUs was painful. The resulting ColBERT index is 2.7TB.
Query processing cost:	370 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		Document Level Averages	
Number of topics	53		Precision
Total number retrieved	5225	At 5 docs	0.1509
Total relevant	3427	At 10 docs	0.1038
Total relevant retrieved	333	At 15 docs	0.2289
MAP	0.0451	At 20 docs	0.2198
Mean NDCG@10	0.1389	At 30 docs	0.1786
Mean Reciprocal Rank	0.2381		
		R-Precision	
		Exact	0.0974

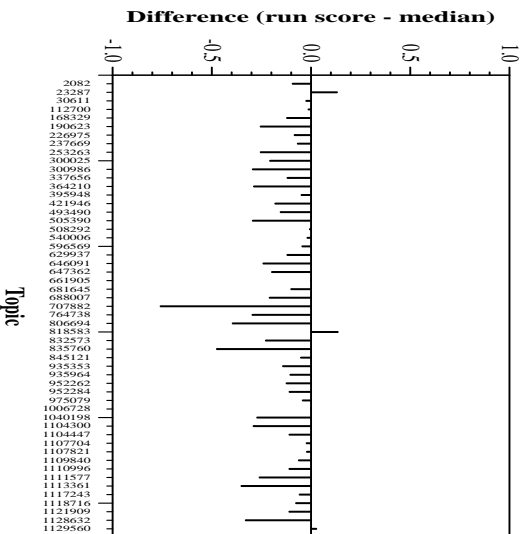




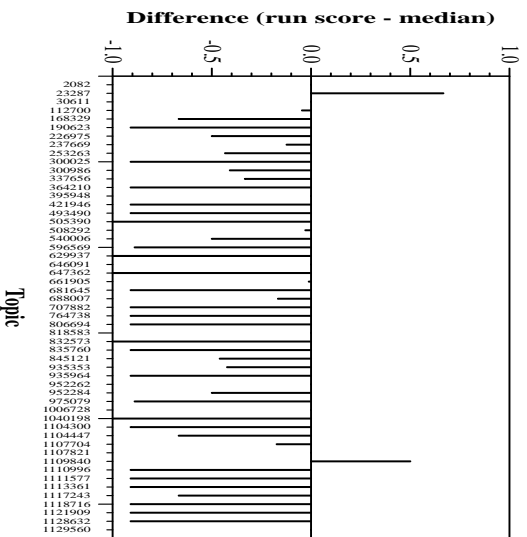
Per-topic difference from median for NDCG@10 for Passage Ranking runs



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