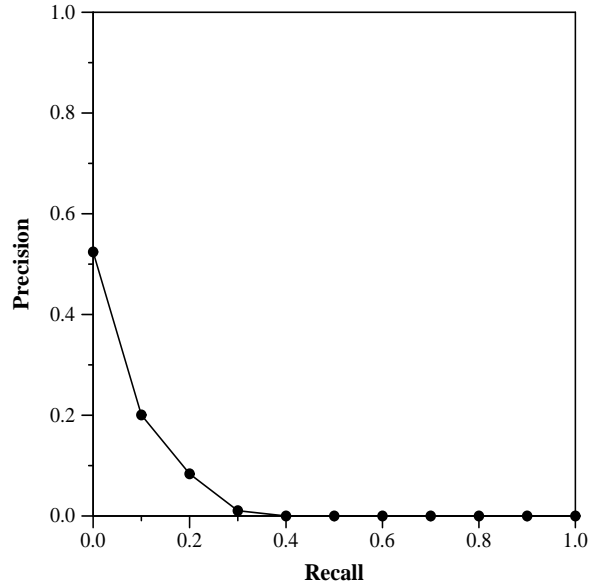
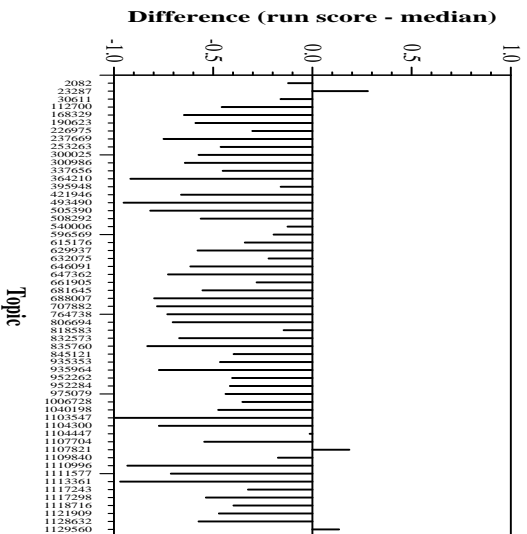


Run Description	
Run ID:	uogTrDCPpmp
Task:	Document Ranking
Subtask:	Full ranking from the collection
Topic type:	Automatic
Single-stage retrieval?	No
Dense retrieval?	Yes
Used deep nn model?	Pre-trained model
Type of training:	Previous year's MS MARCO training data
Pre-processing/indexing cost:	Indexing 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.

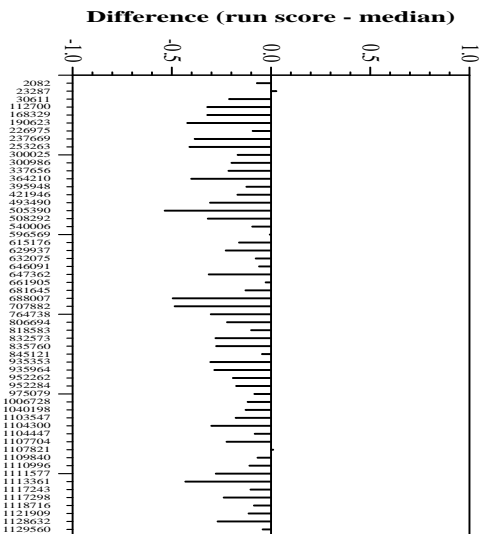
Overall measures	
Number of topics	57
Total number retrieved	5263
Total relevant	8203
Total relevant retrieved	713
MAP	0.0459
Mean NDCG@10	0.1673
Mean Reciprocal Rank	0.3829

Document Level Averages	
	Precision
At 5 docs	0.2772
At 10 docs	0.2421
At 15 docs	0.3509
At 20 docs	0.3509
At 30 docs	0.2959
R-Precision	
Exact	0.0961

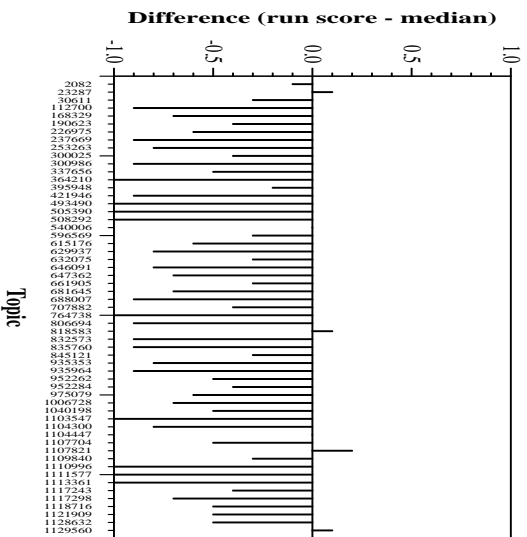




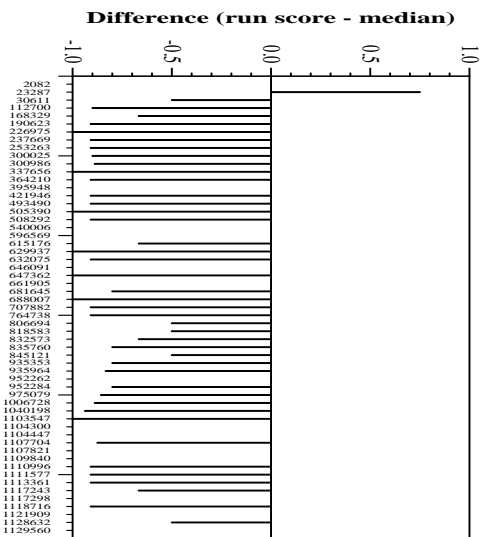
Per-topic difference from median for NDCG@10 for Document Ranking runs



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