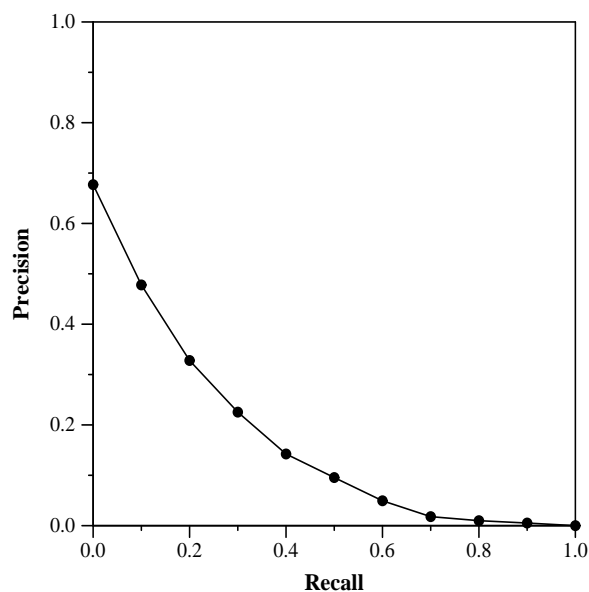
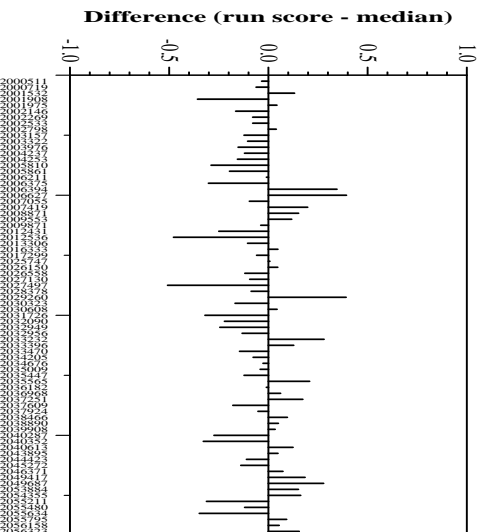


Run Description	
Run ID:	uogtr_t_cprf
Task:	Passage Ranking
Subtask:	Full ranking from the collection
Topic type:	Automatic
Single-stage retrieval?	No
Dense retrieval?	Yes
Baseline run?	No
Used deep nn model?	Pre-trained model
Type of training:	Previous year's MS MARCO training data
Training cost:	We use publicly available trained models. No new training costs were made for this submission.
Pre-processing/indexing cost:	TCT-ColBERT inference and indexing of msmarco-passage-v2; ColBERT inference and indexing of msmarco-passage-v2; using CPU and GPU
Query processing cost:	TCT query encoding; Dense KNN Search; ColBERT-PRF; using CPU and GPU

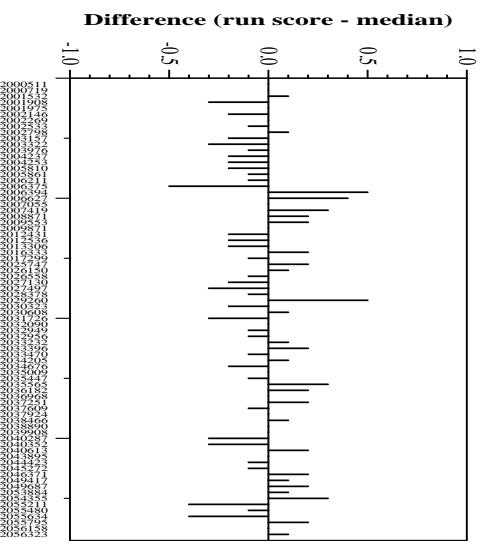
Overall measures	
Number of topics	76
Total number retrieved	6627
Total relevant	4613
Total relevant retrieved	1175
MAP	0.1613
Mean NDCG@10	0.4922
Mean Reciprocal Rank	0.6357

Document Level Averages	
Precision	
At 5 docs	0.4947
At 10 docs	0.4158
At 15 docs	0.3570
At 20 docs	0.3309
At 30 docs	0.2868
R-Precision	
Exact	0.2278

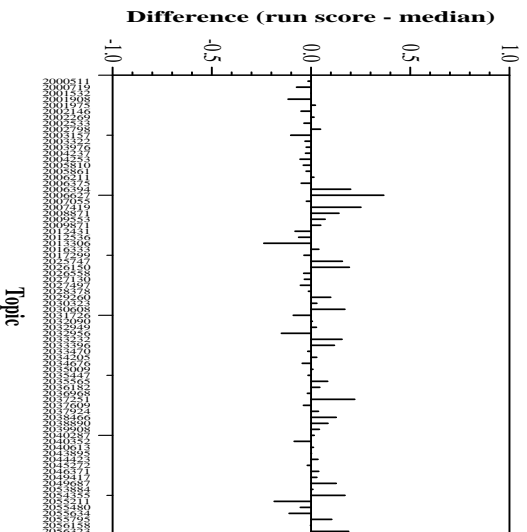




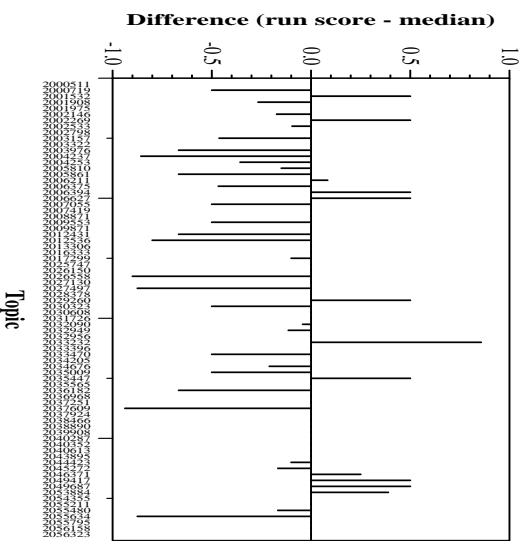
Per-topic difference from median for NDCG@10 for Passage Ranking runs



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