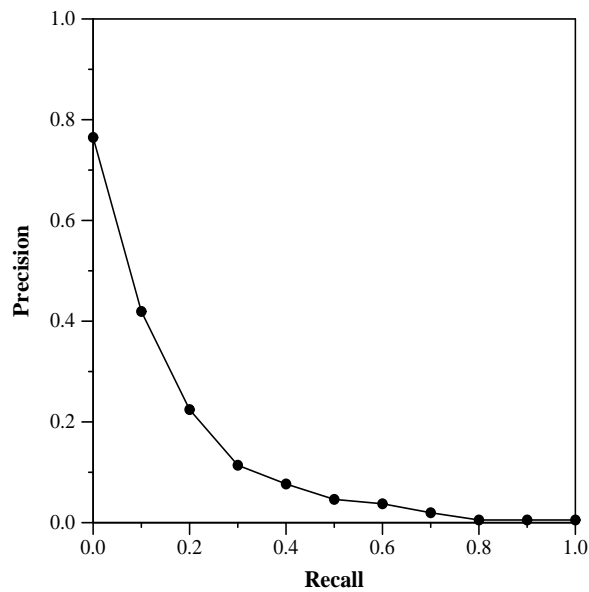


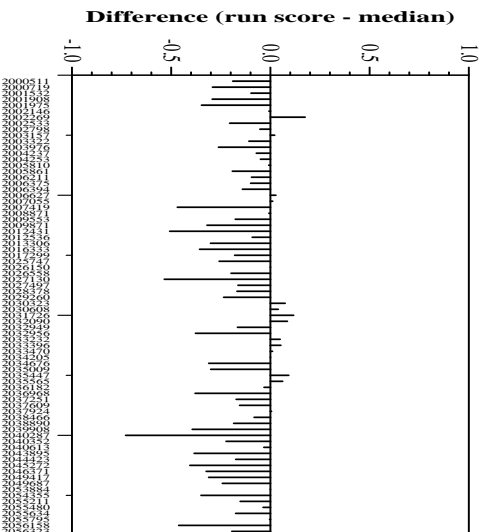
Deep Learning Track results — (CERTH_ITI_M4D) Information Technologies Institute CERTH

Run Description	
Run ID:	ceqe_custom_rerank
Task:	Document Ranking
Subtask:	Full ranking from the collection
Topic type:	Automatic
Single-stage retrieval?	No
Dense retrieval?	Yes
Baseline run?	No
Used deep nn model?	Representation learning, no pre-trained model
Type of training:	None specified
Training cost:	No additional training was necessary.
Pre-processing/indexing cost:	GPU: 1x GeForce RTX 2080 Ti GPU memory: 11GB CPU: Intel(R) Xeon(R) Silver 4108 CPU @ 1.80GHz RAM: 126GB Storage: HDD Indexing duration: 5 hours No vectorization during indexing
Query processing cost:	GPU: 1x GeForce RTX 2080 Ti GPU memory: 11GB CPU: Intel(R) Xeon(R) Silver 4108 CPU @ 1.80GHz RAM: 126GB Storage: HDD The whole pipeline: 7.8/query

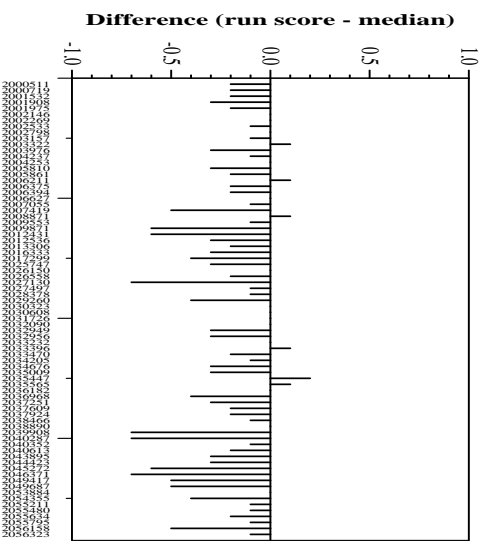
Overall measures	
Number of topics	76
Total number retrieved	7600
Total relevant	9152
Total relevant retrieved	1526
MAP	0.1230
Mean NDCG@10	0.3832
Mean Reciprocal Rank	0.7382

Document Level Averages	
	Precision
At 5 docs	0.5579
At 10 docs	0.4803
At 15 docs	0.4386
At 20 docs	0.3967
At 30 docs	0.3469
R-Precision	
Exact	0.1804

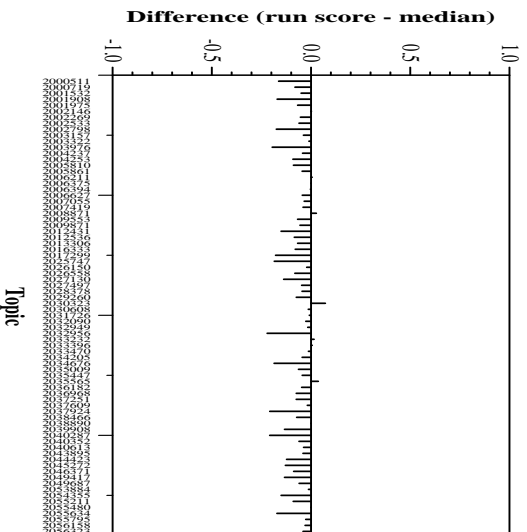




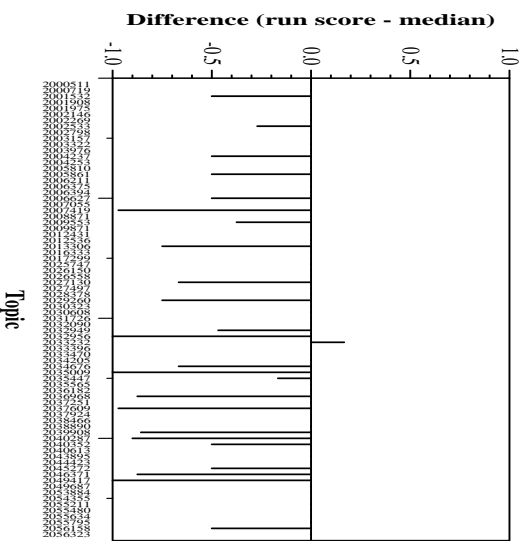
Per-topic difference from median for NDCG@10 for Document Ranking runs



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



Per-topic difference from median for Average Precision for Document Ranking runs



Per-topic difference from median for Reciprocal Rank for Document Ranking runs