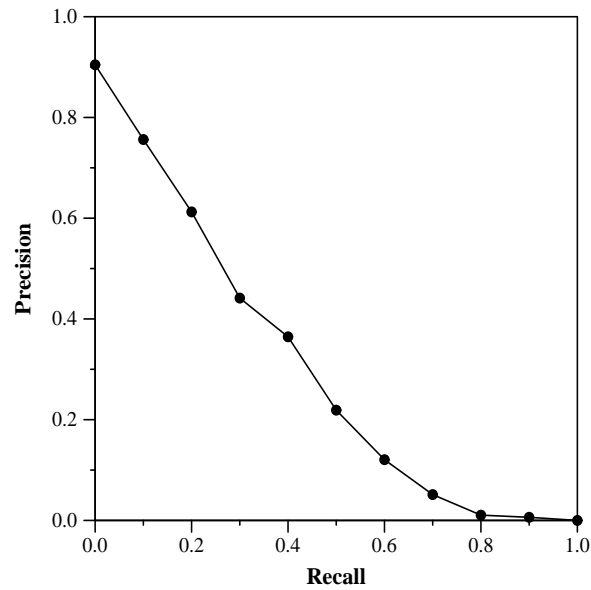


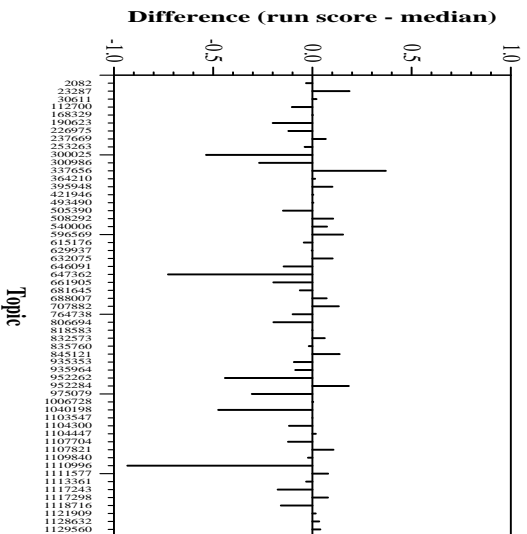
Deep Learning Track results — (CERTH\_ITI\_M4D) Information Technologies Institute CERTH

Run Description	
Run ID:	bigrams_cont_qe
Task:	Document Ranking
Subtask:	Full ranking from the collection
Topic type:	Automatic
Single-stage retrieval?	Yes
Dense retrieval?	No
Used deep nn model?	Pre-trained model
Type of training:	This year's MS MARCO training data
Pre-processing/indexing cost:	System: No GPU, 120GB RAM, HDD Just document indexing: ~12 hours
Query processing cost:	System: No GPU, 120GB RAM, HDD Search: 30 seconds/query

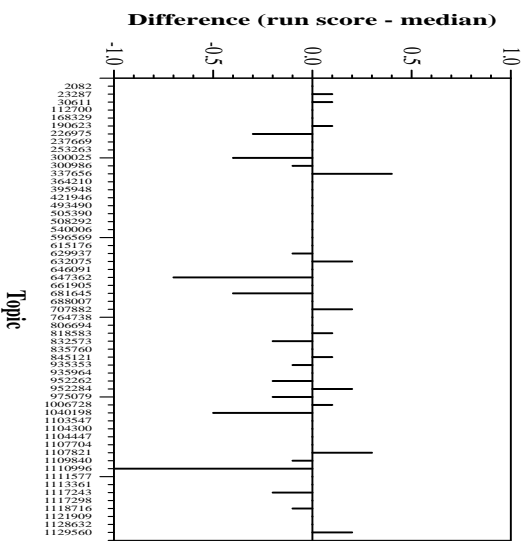
Overall measures	
Number of topics	57
Total number retrieved	5700
Total relevant	8203
Total relevant retrieved	2568
MAP	0.2957
Mean NDCG@10	0.5941
Mean Reciprocal Rank	0.8751

Document Level Averages	
Precision	
At 5 docs	0.8316
At 10 docs	0.7860
At 15 docs	0.7509
At 20 docs	0.7132
At 30 docs	0.6567
R-Precision	
Exact	0.3593

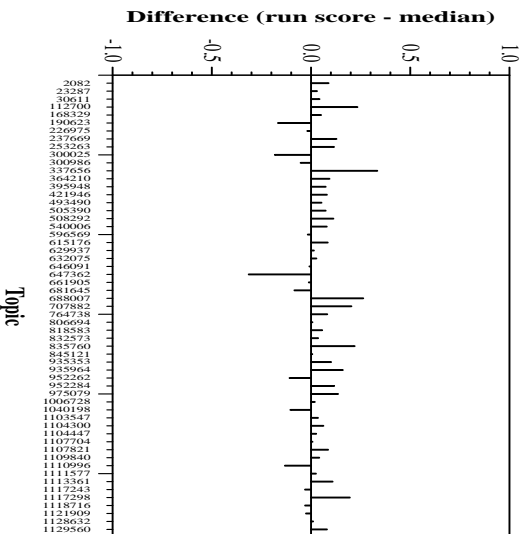




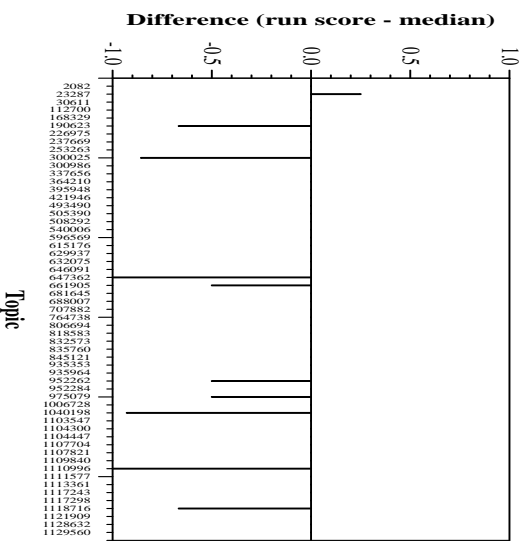
Per-topic difference from median for NDCG@10 for Document Ranking runs



Per-topic difference from median for Precision@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