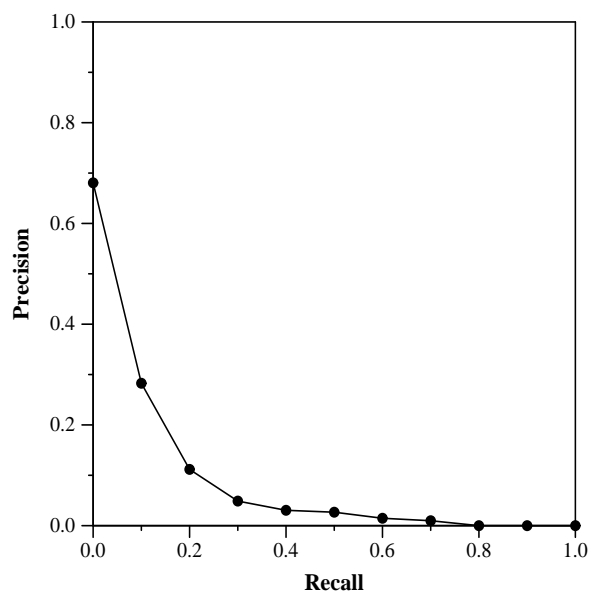
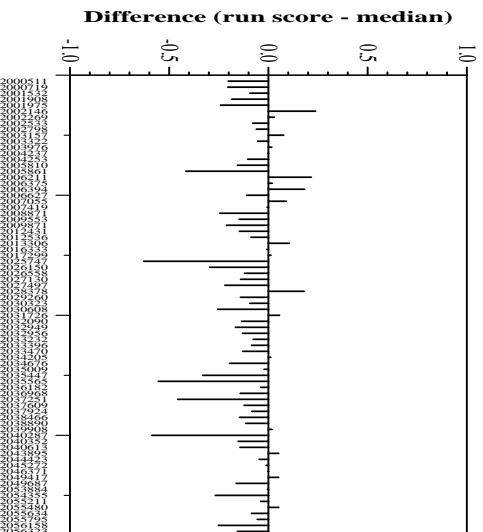


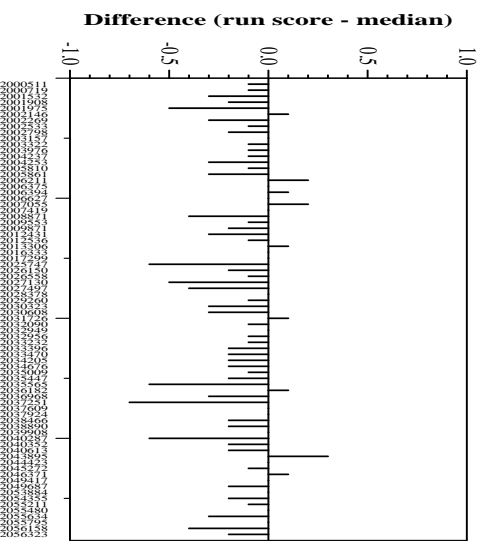
Run Description	
Run ID:	cip_r1
Task:	Passage Ranking
Subtask:	Reranking the official top 100
Topic type:	Automatic
Single-stage retrieval?	No
Dense retrieval?	No
Baseline run?	No
Used deep nn model?	Pre-trained model
Type of training:	This year's MS MARCO training data
Training cost:	Cost 1005 minutes for training in MS MARCO v2 on six NVIDIA TITAN RTX (24G) GPU. The total GPU minutes is 6030 minutes.
Pre-processing/indexing cost:	Cost 73 minutes for train dataset passage processing and indexing on six NVIDIA TITAN RTX (24G) GPUs. The total GPU minutes is 438 minutes.
Query processing cost:	Cost 1 minutes and 49 seconds on six NVIDIA TITAN RTX (24G) GPUs. The total GPU minutes is 11 minutes.

Overall measures		Document Level Averages	
Number of topics	76		Precision
Total number retrieved	6663	At 5 docs	0.3763
Total relevant	4613	At 10 docs	0.2882
Total relevant retrieved	520	At 15 docs	0.2360
MAP	0.0791	At 20 docs	0.2066
Mean NDCG@10	0.4264	At 30 docs	0.1737
Mean Reciprocal Rank	0.6512	R-Precision	
		Exact	0.1267

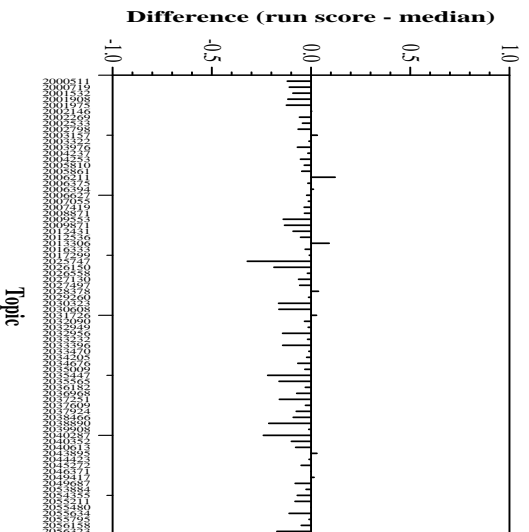




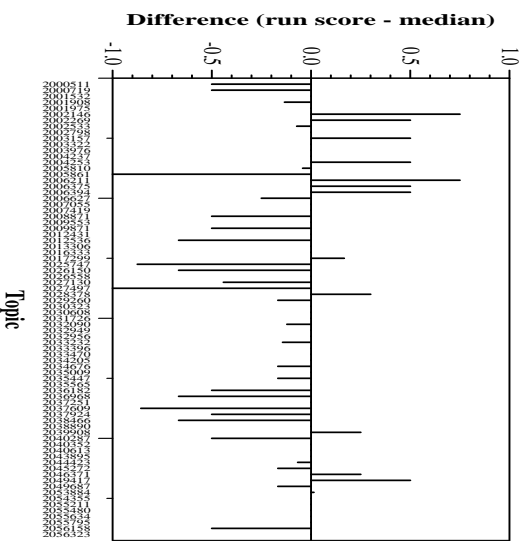
Per-topic difference from median for NDCG@10 for Passage Ranking runs



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