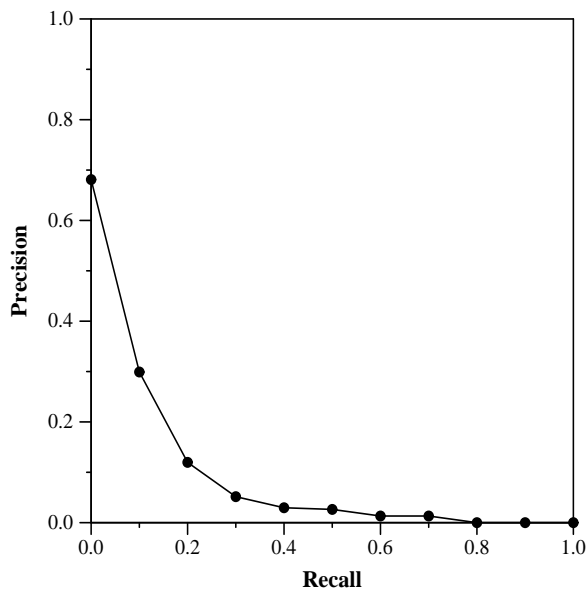
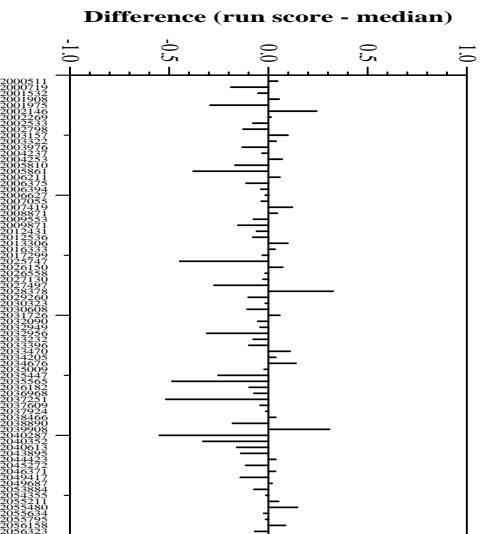


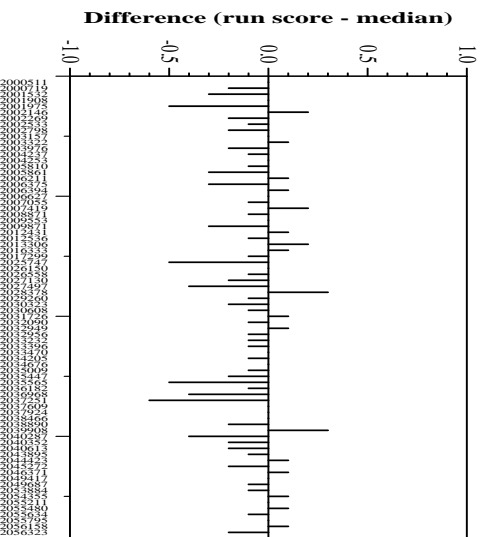
Run Description	
Run ID:	webis-dl-duot5-aug-2
Task:	Passage Ranking
Subtask:	Reranking the official top 100
Topic type:	Automatic
Single-stage retrieval?	No
Dense retrieval?	No
Baseline run?	No
Used deep nn model?	Pre-trained model
Type of training:	Previous year's MS MARCO training data
Training cost:	We used existing models from Hugging Face ( <a href="https://huggingface.co/castorini/duot5-3b-msmarco">https://huggingface.co/castorini/duot5-3b-msmarco</a> and <a href="https://huggingface.co/castorini/monot5-3b-msmarco">https://huggingface.co/castorini/monot5-3b-msmarco</a> ), which are trained on Version 1 of MS MARCO, so we did not have training costs.
Pre-processing/indexing cost:	We do not use a retrieval index and instead use <code>ir_datasets</code> to access the passages for re-ranking.
Query processing cost:	Roughly 5 hours on a single core of an A100 GPU.

Overall measures		Document Level Averages	
Number of topics	76		Precision
Total number retrieved	1706	At 5 docs	0.4421
Total relevant	4613	At 10 docs	0.3461
Total relevant retrieved	405	At 15 docs	0.2886
MAP	0.0824	At 20 docs	0.2526
Mean NDCG@10	0.4733	At 30 docs	0.1776
Mean Reciprocal Rank	0.6505	R-Precision	
		Exact	0.1175

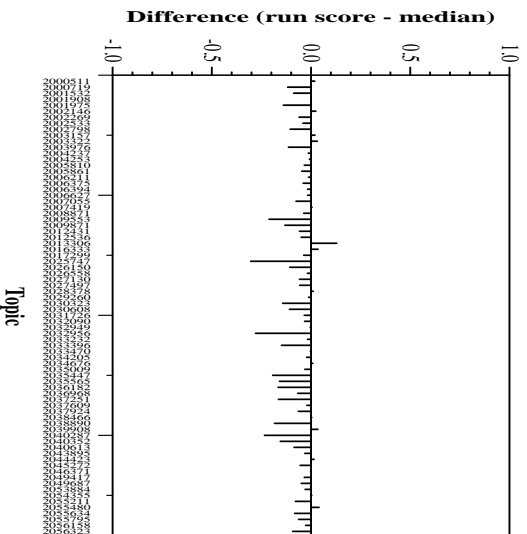




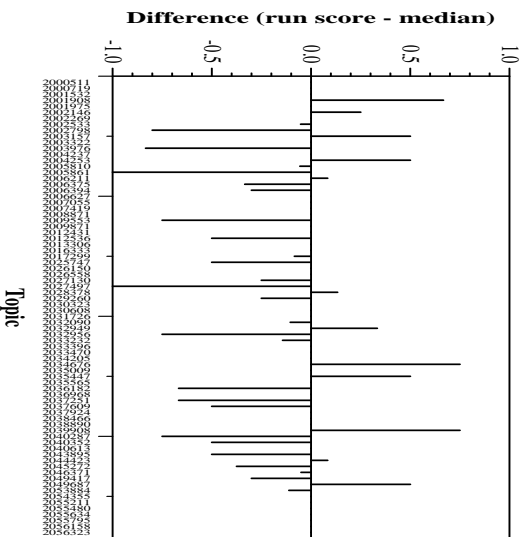
Per-topic difference from median for NDCG@10 for Passage Ranking runs



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