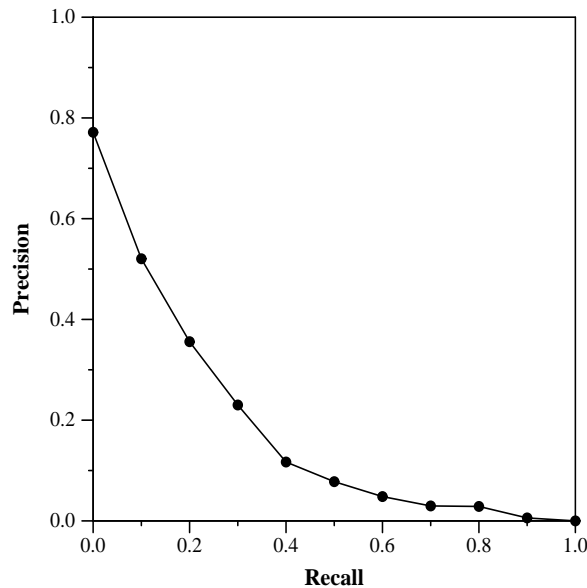
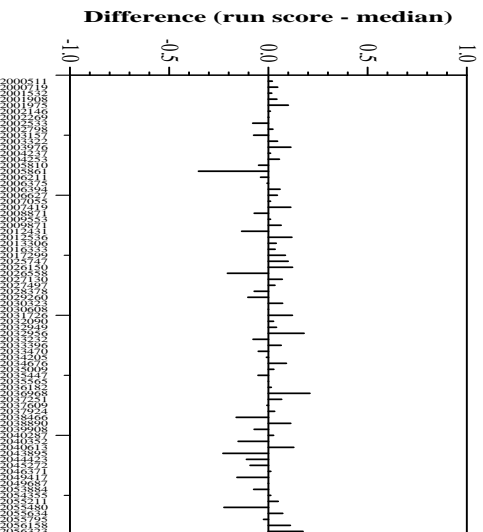


Run Description	
Run ID:	graph_colbert
Task:	Passage Ranking
Subtask:	Full ranking from the collection
Topic type:	Automatic
Single-stage retrieval?	No
Dense retrieval?	Yes
Baseline run?	No
Used deep nn model?	Pre-trained model
Type of training:	Previous year's MS MARCO training data
Training cost:	ColBERT model was trained on the MSMARCO collection and the parameters of the Graph Attention Network were tuned on the CLEF-IP2013 Passage Retrieval task dataset.
Pre-processing/indexing cost:	BM25 is used at the first stage of retrieval. The reranking model is described in Albarede et al.: Passage Retrieval on Structured Documents Using Graph Attention Networks, ECIR 2022.
Query processing cost:	BM25 is used at the first stage of retrieval. The reranking model is described in Albarede et al.: Passage Retrieval on Structured Documents Using Graph Attention Networks, ECIR 2022.

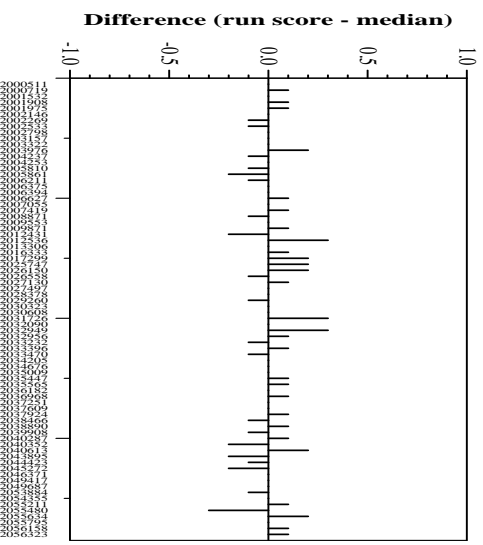
Overall measures	
Number of topics	76
Total number retrieved	6865
Total relevant	4613
Total relevant retrieved	1205
MAP	0.1713
Mean NDCG@10	0.5375
Mean Reciprocal Rank	0.7192

Document Level Averages	
	Precision
At 5 docs	0.5395
At 10 docs	0.4500
At 15 docs	0.4035
At 20 docs	0.3691
At 30 docs	0.3145
R-Precision	
Exact	0.2496

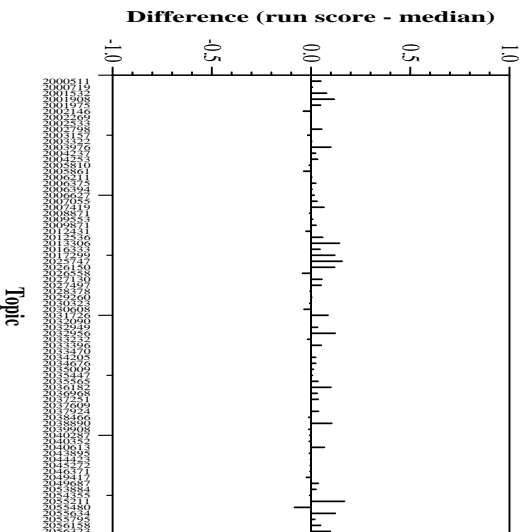




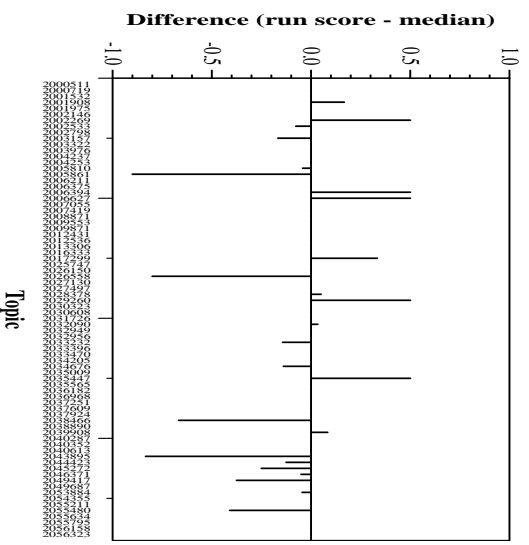
Per-topic difference from median for NDCG@10 for Passage Ranking runs



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