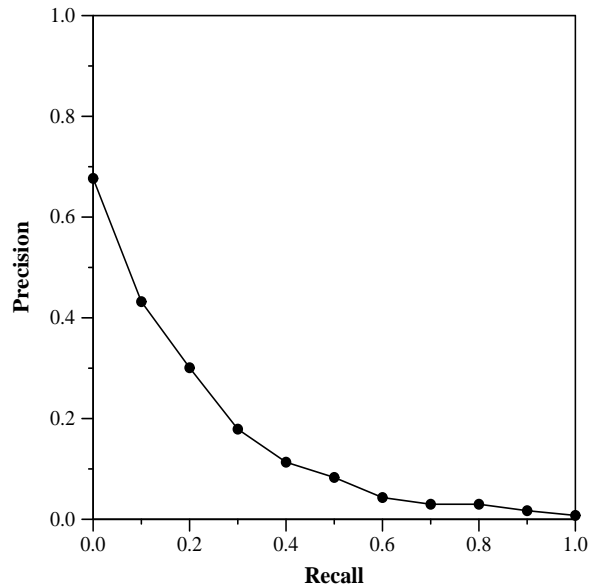
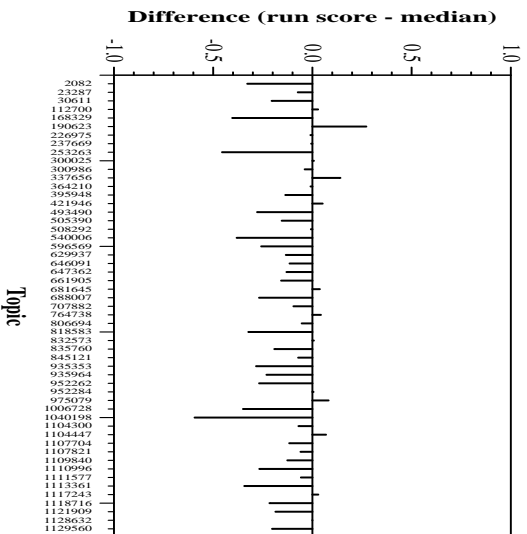


Deep Learning Track results — (Waterloo\_Cormack) University of Waterloo

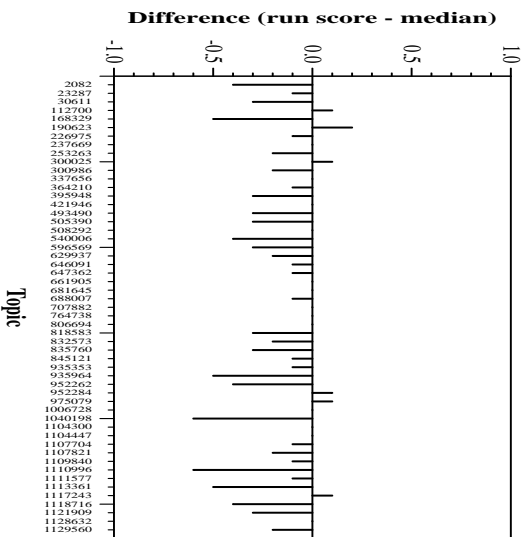
Run Description	
Run ID:	watprd
Task:	Passage Ranking
Subtask:	Reranking the official top 100
Topic type:	Automatic
Single-stage retrieval?	Yes
Dense retrieval?	Yes
Used deep nn model?	No neural representation learning
Type of training:	Non-MARCO training data
Pre-processing/indexing cost:	5 hours vectorization
Query processing cost:	1 hour, 80 threads, no GPU

Overall measures		Document Level Averages	
Number of topics	53		Precision
Total number retrieved	5300	At 5 docs	0.4038
Total relevant	3427	At 10 docs	0.3491
Total relevant retrieved	879	At 15 docs	0.3308
MAP	0.1442	At 20 docs	0.3179
Mean NDCG@10	0.4698	At 30 docs	0.2874
Mean Reciprocal Rank	0.6240	R-Precision	
		Exact	0.2149

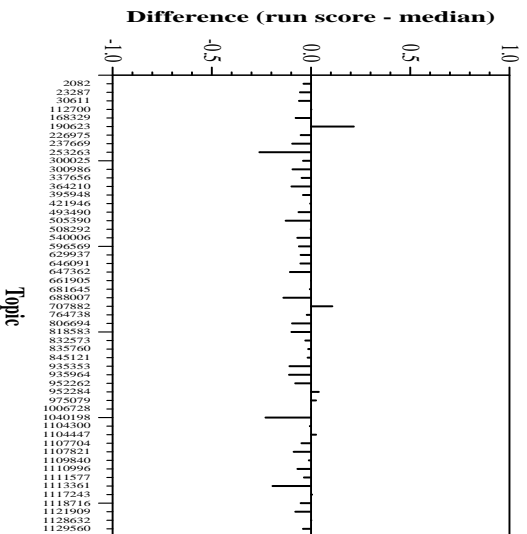




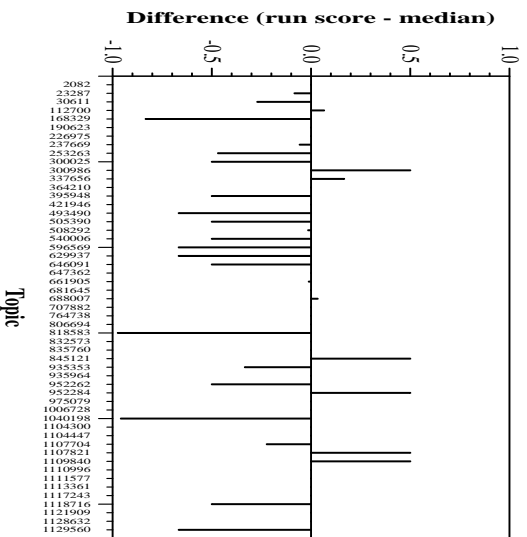
Per-topic difference from median for NDCG@10 for Passage Ranking runs



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