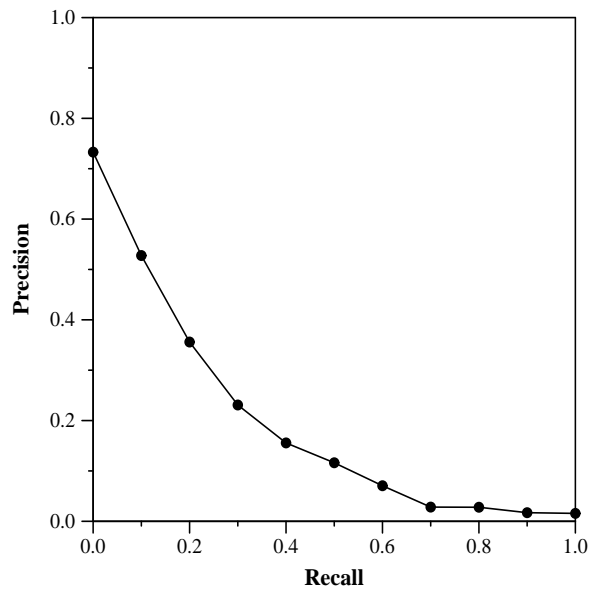
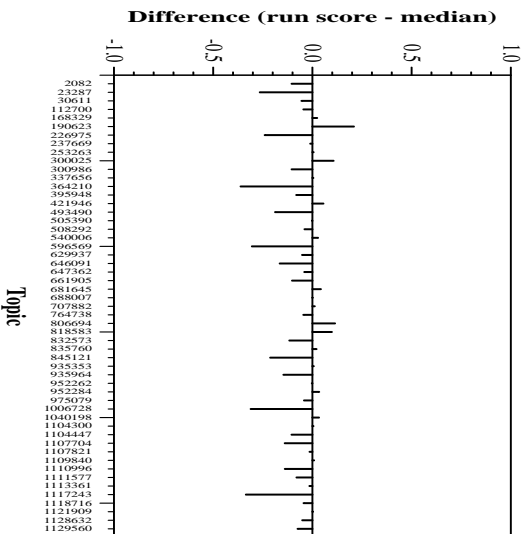


Deep Learning Track results — (ALIBABA) Alibaba Group

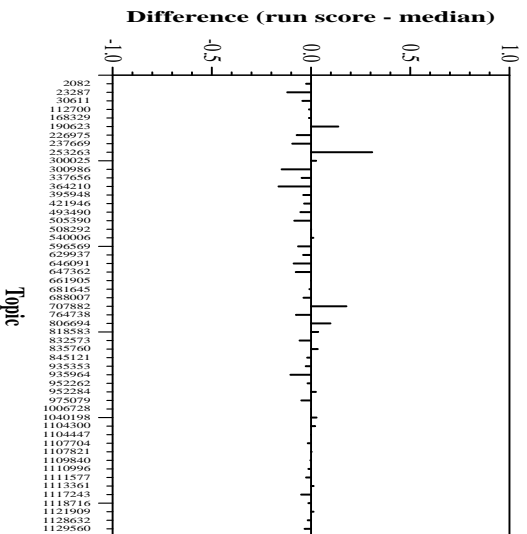
Run Description	
Run ID:	pass_rank_100
Task:	Passage Ranking
Subtask:	Reranking the official top 100
Topic type:	Automatic
Single-stage retrieval?	No
Dense retrieval?	Yes
Used deep nn model?	Pre-trained model
Type of training:	This year's MS MARCO training data
Pre-processing/indexing cost:	-1
Query processing cost:	-1

Overall measures		Document Level Averages	
Number of topics	53		Precision
Total number retrieved	5300	At 5 docs	0.4868
Total relevant	3427	At 10 docs	0.4377
Total relevant retrieved	879	At 15 docs	0.4013
MAP	0.1781	At 20 docs	0.3679
Mean NDCG@10	0.5389	At 30 docs	0.3119
Mean Reciprocal Rank	0.6588	R-Precision	
		Exact	0.2486

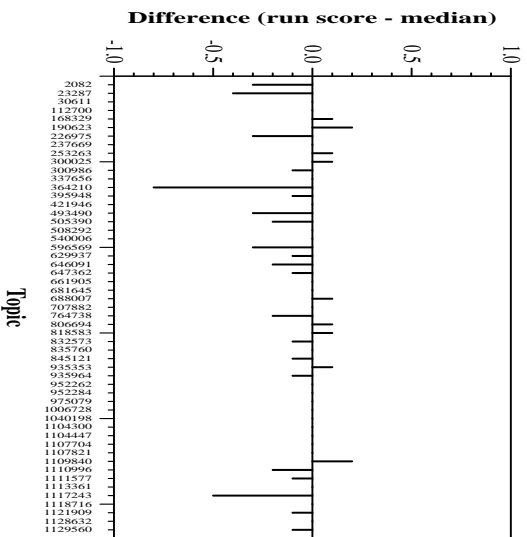




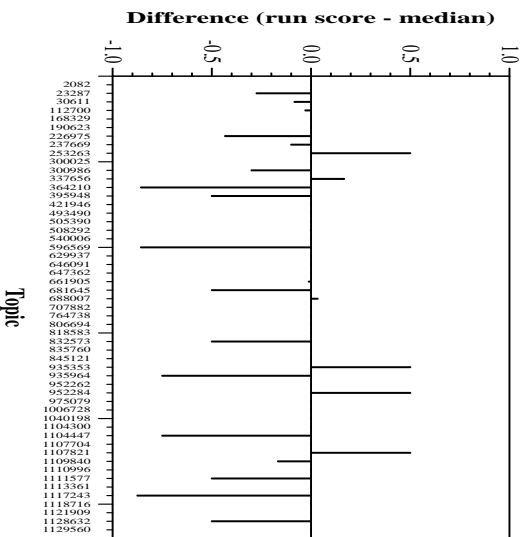
Per-topic difference from median for NDCG@10 for Passage Ranking runs



Per-topic difference from median for Average Precision for Passage Ranking runs



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



Per-topic difference from median for Reciprocal Rank for Passage Ranking runs