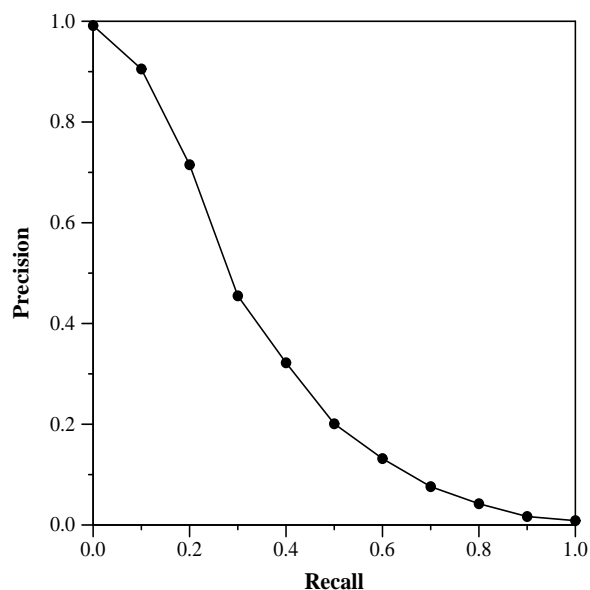
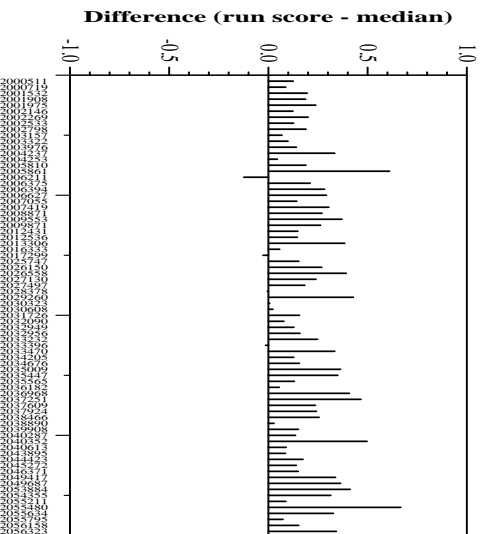


Deep Learning Track results — (Ali) Alibaba

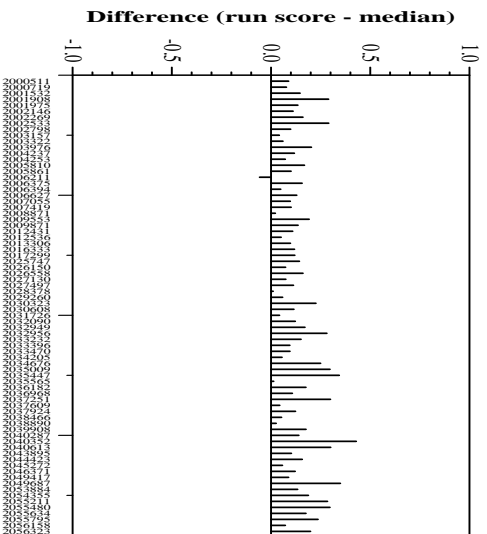
Run Description	
Run ID:	doc3
Task:	Document Ranking
Subtask:	Full ranking from the collection
Topic type:	Automatic
Single-stage retrieval?	No
Dense retrieval?	Yes
Baseline run?	No
Used deep nn model?	Pre-trained model
Type of training:	This year's MS MARCO training data; Previous year's MS MARCO training data
Training cost:	8*V100 10days
Pre-processing/indexing cost:	4*V100 1days
Query processing cost:	CPU 1hours

Overall measures		Document Level Averages	
Number of topics	76		Precision
Total number retrieved	7600	At 5 docs	0.9105
Total relevant	9152	At 10 docs	0.8645
Total relevant retrieved	3128	At 15 docs	0.8114
MAP	0.3315	At 20 docs	0.7599
Mean NDCG@10	0.7533	At 30 docs	0.6868
Mean Reciprocal Rank	0.9846		
		R-Precision	
		Exact	0.3739

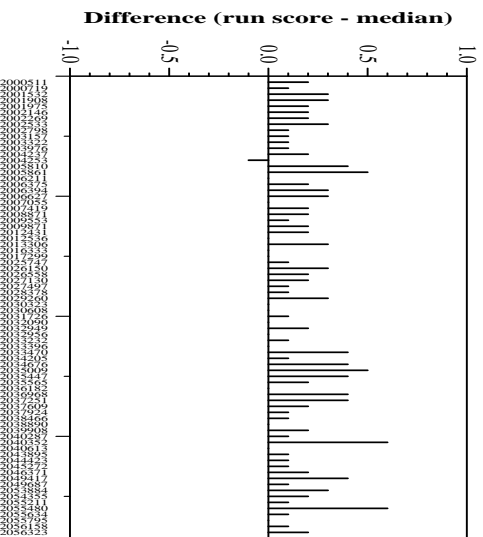




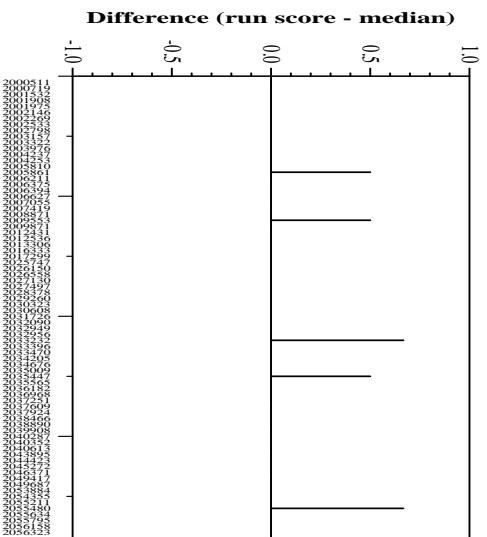
Per-topic difference from median for NDCG@10 for Document Ranking runs



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



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



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