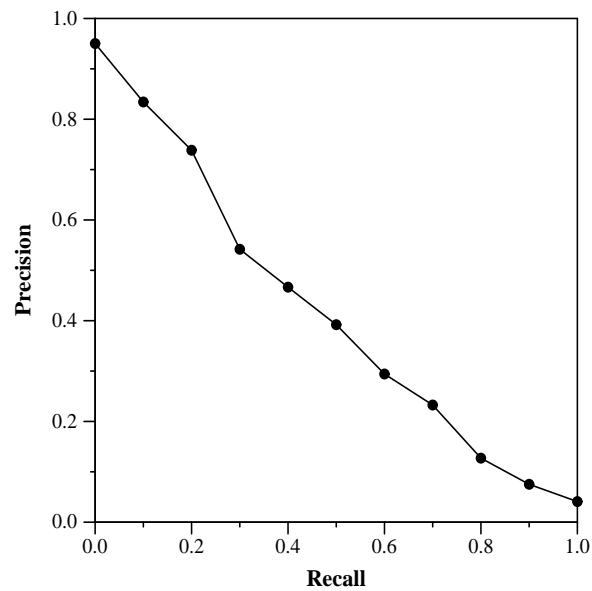
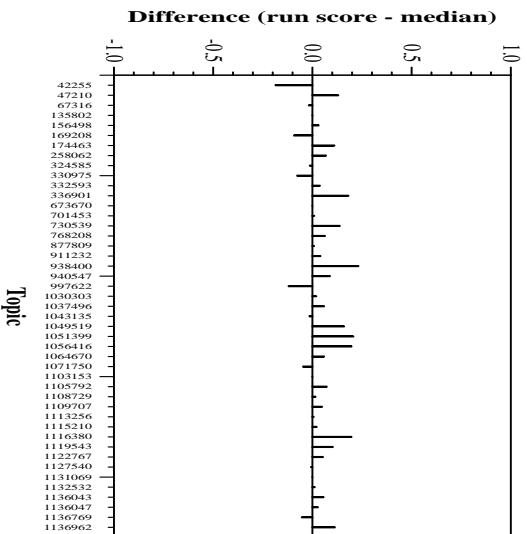


Deep Learning Track results — (MSAI) Microsoft

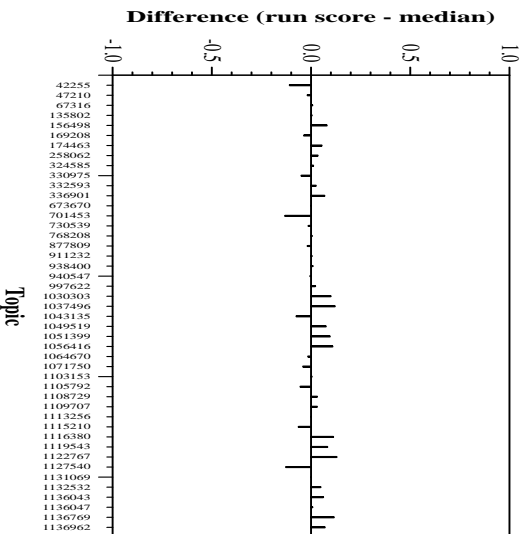
Run Description	
Run ID	ndrm3-full
Task	Document Ranking
Subtask	Full ranking
Topic type	Automatic
Used deep nn model?	Yes
Type of training	Unsupervised data/model; Used document task training labels
ORCAS data used for something other than training?	No
Training cost?	1.5 days with 4 Tesla P100 GPUs.

Overall measures		Document Level Averages	
Number of topics	45		Precision
Total number retrieved	4500	At 5 docs	0.7200
Total relevant	1767	At 10 docs	0.6311
Total relevant retrieved	857	At 15 docs	0.5378
MAP	0.4069	At 20 docs	0.4778
Mean NDCG@10	0.6162	At 30 docs	0.3933
Mean NDCG@100	0.6105	R-Precision	
Mean Reciprocal Rank	0.9333	Exact	0.4227

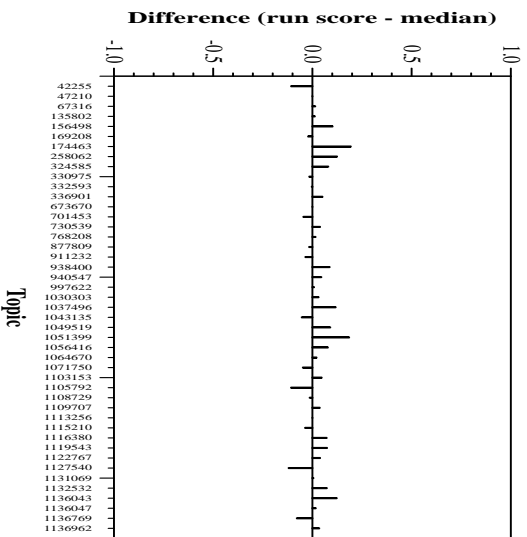




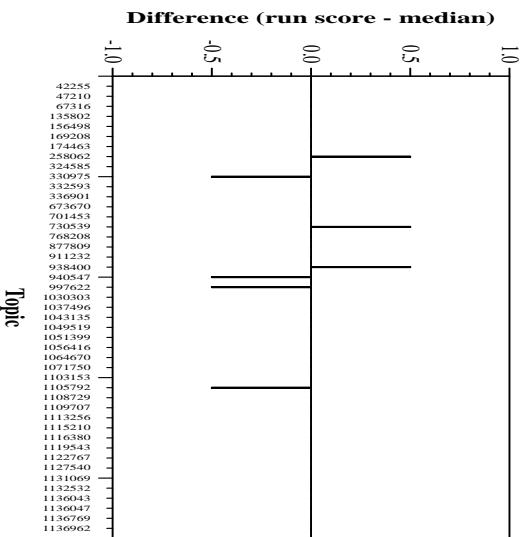
Per-topic difference from median for NDCG@10 for Document Ranking runs



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



Per-topic difference from median for NDCG@100 for Document Ranking runs



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