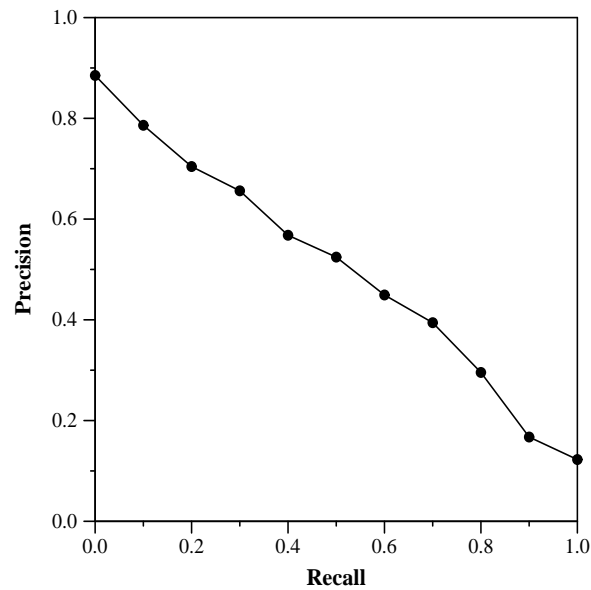
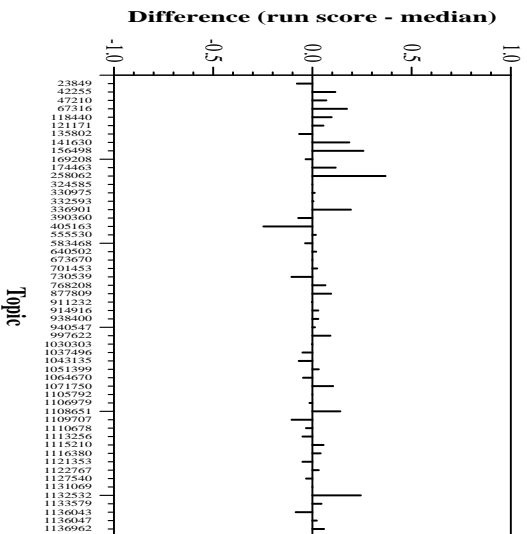


Deep Learning Track results — (nvidia_ai_apps) NVIDIA

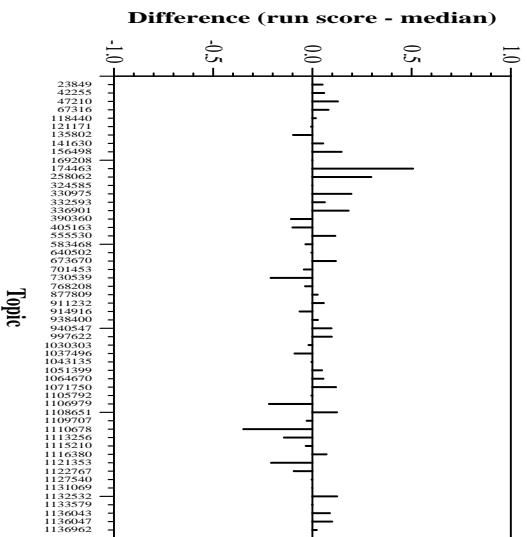
Run Description	
Run ID	2
Task	Passage Ranking
Subtask	Full ranking
Topic type	Automatic
Used deep nn model?	Yes
Type of training	Unsupervised data/model; Used passage task training labels; Used other training data
ORCAS data used for something other than training?	No
Training cost?	24 hours on DGX-1 machine with 8 16 Gb V100 GPUs

Overall measures		Document Level Averages	
Number of topics	54		Precision
Total number retrieved	54000	At 5 docs	0.6593
Total relevant	1666	At 10 docs	0.5481
Total relevant retrieved	1092	At 15 docs	0.4679
MAP	0.4866	At 20 docs	0.4167
Mean NDCG@10	0.7113	At 30 docs	0.3481
Mean NDCG@1000	0.6848	R-Precision	
Mean Reciprocal Rank	0.8507	Exact	0.4910

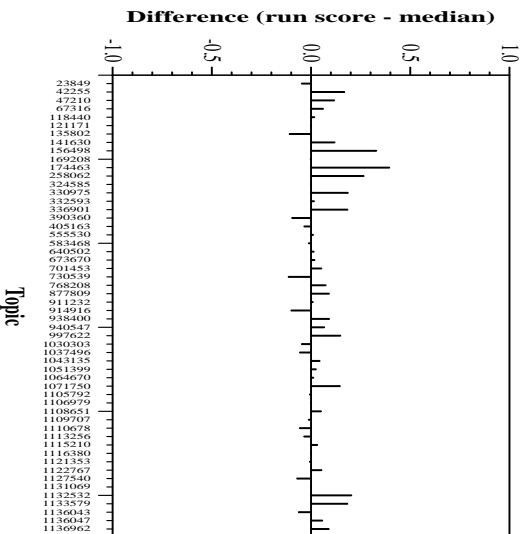




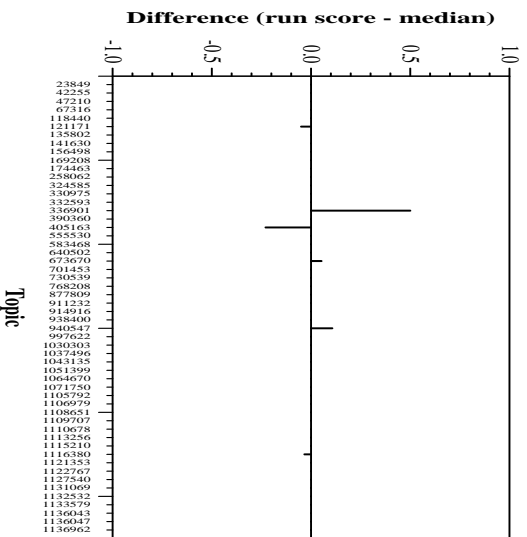
Per-topic difference from median for NDCG@10 for Passage Ranking runs



Per-topic difference from median for NDCG@1000 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