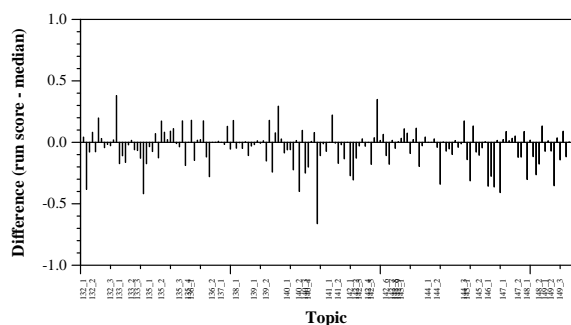
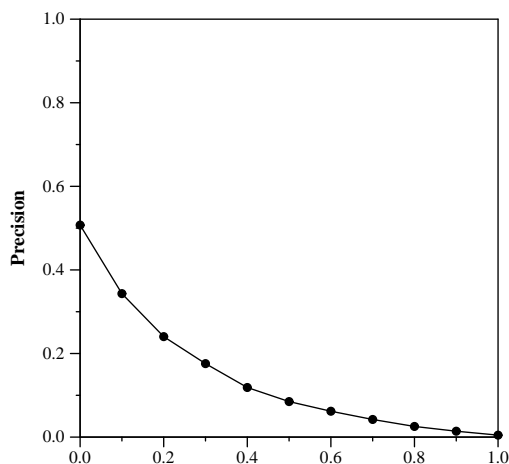


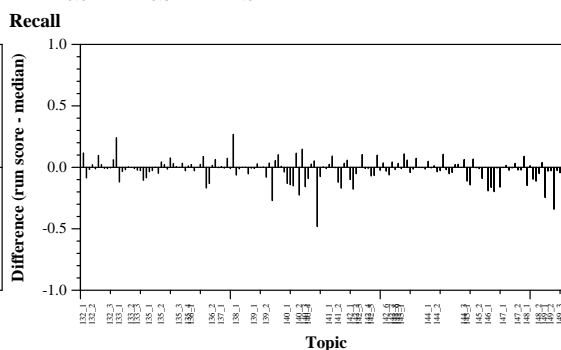
Run Description	
Run ID:	DEI-run4
Category:	automatic topic files
Query understanding method:	uses entity detection / linking; performs generative query rewriting (CQR), including models like BART/T5; uses other query understanding method
Query understanding data:	uses data provided from previous CAsT datasets
Ranking method:	uses traditional unsupervised sparse retrieval (e.g. QL, BM25, etc.); performs re-ranking with a pre-trained neural language model (BERT, Roberta, T5, etc.)
Ranking data:	is trained with previous CAsT datasets
Initiative:	does not treat them specially
Response generation:	uses single source (single passage)

Note: all P/R scores follow the strict criterion $rel >= 2$. NDCG gains are the rel values.

Overall measures		Document Level Averages	
Number of turns	163		
Total number retrieved	81500		
Total relevant	12318		
Total relevant retrieved	2922		
MAP	0.1281		
Mean NDCG@3	0.2759		
Mean NDCG@20	0.2759		
Mean Precision@1	0.3006		
Mean Precision@3	0.3006		
		Precision	
		At 5 docs	0.3080
		At 10 docs	0.2798
		At 20 docs	0.2411
		R-Precision	
		Exact	0.1713



Difference from median NDCG



Difference from median AP