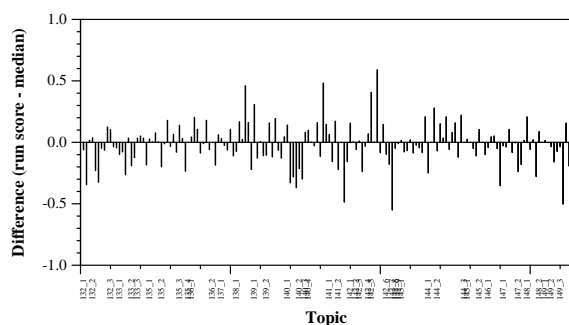
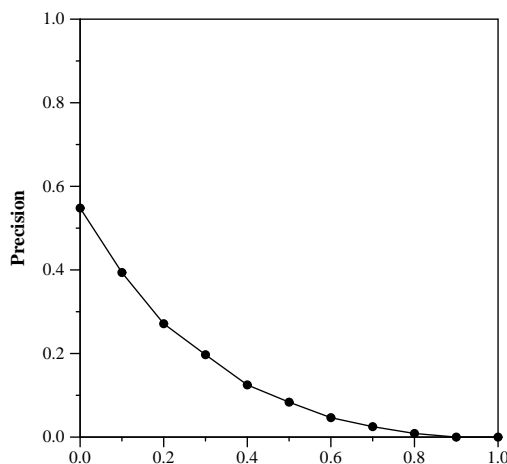


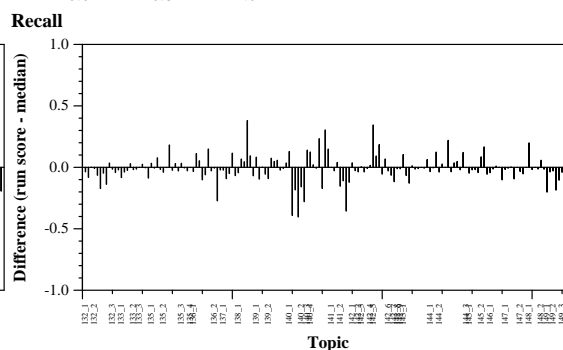
Run Description	
Run ID:	uogTr-AT
Category:	automatic topic files
Query understanding method:	performs generative query rewriting (CQR), including models like BART/T5
Query understanding data:	uses data provided from previous CAsT datasets; uses CAsT Y4 provided automatically rewritten utterances (e.g. T5 w/Canard)
Ranking method:	uses a dense retrieval model (e.g. DPR, ANCE, ColBERT, etc.); uses document expansion (e.g. Doc2Query); performs re-ranking with a pre-trained neural language model (BERT, Roberta, T5, etc.)
Ranking data:	is trained with previous CAsT datasets; is trained on other datasets
Initiative:	detects and uses feedback
Response generation:	uses multiple sources (multiple passages)

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

Overall measures		Document Level Averages	
Number of turns	163		
Total number retrieved	86232		
Total relevant	12318		
Total relevant retrieved	2299		
MAP	0.1343		
Mean NDCG@3	0.3170		
Mean NDCG@20	0.2993		
Mean Precision@1	0.3436		
Mean Precision@3	0.3558		
		Precision	
		At 5 docs	0.3472
		At 10 docs	0.3233
		At 20 docs	0.2623
		R-Precision	
		Exact	0.1920



Difference from median NDCG



Difference from median AP