

Conversational Assistance Track results — (WaterlooClarke) University of Waterloo

Run Description	
Run ID	clarke-cc
Submission Category	Raw utterance and canonical responses
Query Method Features	method uses a standard NLP toolkit; method performs query expansion; method performs generative query rewriting
Query Data Features	method uses data provided in the CAsT Y1 and/or Y2 datasets; method uses CAsT Y3 provided automatically rewritten utterances; method uses other external data
Passage Ranking Method Features	method uses only unsupervised retrieval; method uses non word-based model for retrieval; method uses a deep learning (neural) model; method uses a pre-trained neural language model
Passage Ranking Data Features	method is trained with CAsT Y1 and/or Y2 datasets; method is trained with TREC Deep Learning Track and/or MS MARCO dataset
Conversational Context Features	method uses previous automatically rewritten utterances (queries) in the topic; method uses previous automatic canonical result for the topic

Overall measures		Document Level Averages	
Number of topics	158		
Total number retrieved	87226		
Total relevant	5505		
Total relevant retrieved	4583		
Mean NDCG @ 3	0.5137	At 5 docs	0.6354
Mean NDCG @ 5	0.5107	At 10 docs	0.5778
Mean NDCG @ 500	0.6402	At 15 docs	0.5152
MAP @ 500	0.3997	At 20 docs	0.4703
		At 30 docs	0.3958



