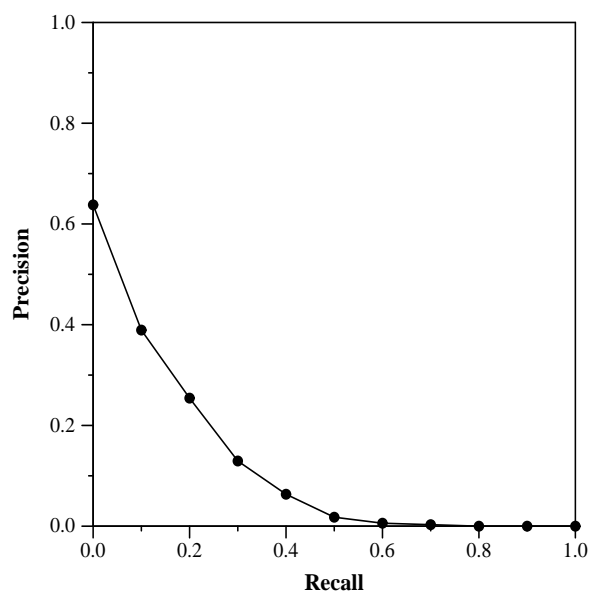


## Conversational Assistance Track results — (CNR) CNR

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Run Description	
Run ID	CNR-run1
Submission Category	Raw utterance only
Query Method Features	method does not use any training data (i.e., unsupervised); method uses a standard NLP toolkit; method performs query expansion
Query Data Features	
Passage Ranking Method Features	method uses only unsupervised retrieval; method uses a pre-trained neural language model
Passage Ranking Data Features	method is trained with TREC Deep Learning Track and/or MS MARCO dataset
Conversational Context Features	method uses previous raw utterances (queries) in the topic

Overall measures		Document Level Averages	
Number of topics	158		Precision
Total number retrieved	21753	At 5 docs	0.4165
Total relevant	5505	At 10 docs	0.3278
Total relevant retrieved	881	At 15 docs	0.2595
Mean NDCG @ 3	0.2983	At 20 docs	0.2174
Mean NDCG @ 5	0.2897	At 30 docs	0.1614
Mean NDCG @ 500	0.1956		
MAP @ 500	0.1122		



## Conversational Assistance Track results — (CNR) CNR

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