

Conversational Assistance Track results — (CMU-LTI) CMU Language Technologies Institute

| Run Description | |
|---------------------------------|---|
| Run ID | LTI-rewriter-5q |
| Submission Category | Raw utterance and canonical responses |
| Query Method Features | method performs generative query rewriting |
| Query Data Features | method uses other external data |
| Passage Ranking Method Features | 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 automatic canonical result for the topic |

| Overall measures | | Document Level Averages | |
|--------------------------|--------|-------------------------|-----------|
| Number of topics | 158 | | Precision |
| Total number retrieved | 130639 | At 5 docs | 0.4076 |
| Total relevant | 5505 | At 10 docs | 0.3665 |
| Total relevant retrieved | 2259 | At 15 docs | 0.3135 |
| Mean NDCG @ 3 | 0.2955 | At 20 docs | 0.2797 |
| Mean NDCG @ 5 | 0.2982 | At 30 docs | 0.2335 |
| Mean NDCG @ 500 | 0.3192 | | |
| MAP @ 500 | 0.1786 | | |



