

Conversational Assistance Track results — (ASCFDA) Academia Sinica CFDA Lab

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| Run Description                 |   |
|---------------------------------|---|
| Run ID                          | ASCFDA_baseline   |
| Submission Category             | Raw utterance only  |
| Query Method Features           | method uses coreference resolution                                      |
| 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 raw utterances (queries) in the topic              |

| Overall measures         |        | Document Level Averages |        |
|--------------------------|--------|-------------------------|--------|
| Number of topics         | 208    |                         |        |
| Total number retrieved   | 208000 |                         |        |
| Total relevant           | 6670   |                         |        |
| Total relevant retrieved | 4198   |                         |        |
| Mean NDCG @ 3            | 0.4579 | At 5 docs               | 0.5375 |
| Mean NDCG @ 5            | 0.4472 | At 10 docs              | 0.4875 |
| Mean NDCG @ 1000         | 0.4943 | At 15 docs              | 0.4288 |
| MAP                      | 0.3096 | At 20 docs              | 0.3892 |
|                          |        | At 30 docs              | 0.3242 |



