

TREC CAR Setup

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1 Index

We indexed the paragraphCorpus and used the benchmarkY1train as the queries.

2 Retrieval Model

Lucene uses BM25 as the retrieval model by default.

3 Implementation

- Indexed the paragraph corpus
- Retrieved article level results and also concatenated all outline names (Section name) to the original query to retrieve the results.
- All the above search is based on the Lucene default search BM25

4 Results

We used the article level and hierarchical qrels to evaluate.

4.1 Page Level Result

1. Mean Average Precision 0.0951
2. Precision at R 0.1579
3. Mean Reciprocal Rank 0.4331

4.2 Section Level Result

1. Mean Average Precision 0.0863
2. Precision at R 0.0587
3. Mean Reciprocal Rank 0.1505

5 Result Graph

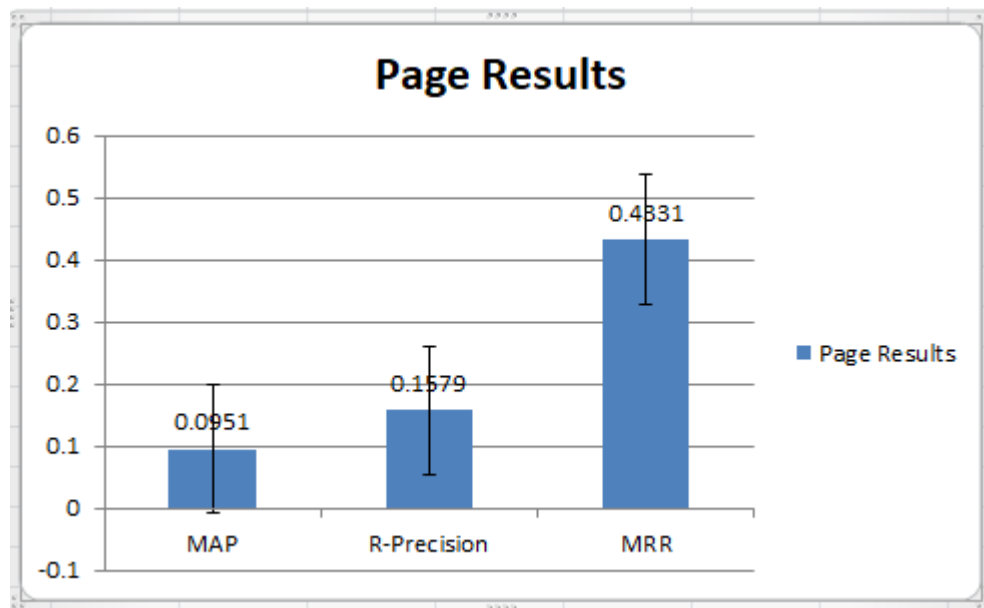


Figure 1: Benchmark Y1 Train Dataset Page Level Results

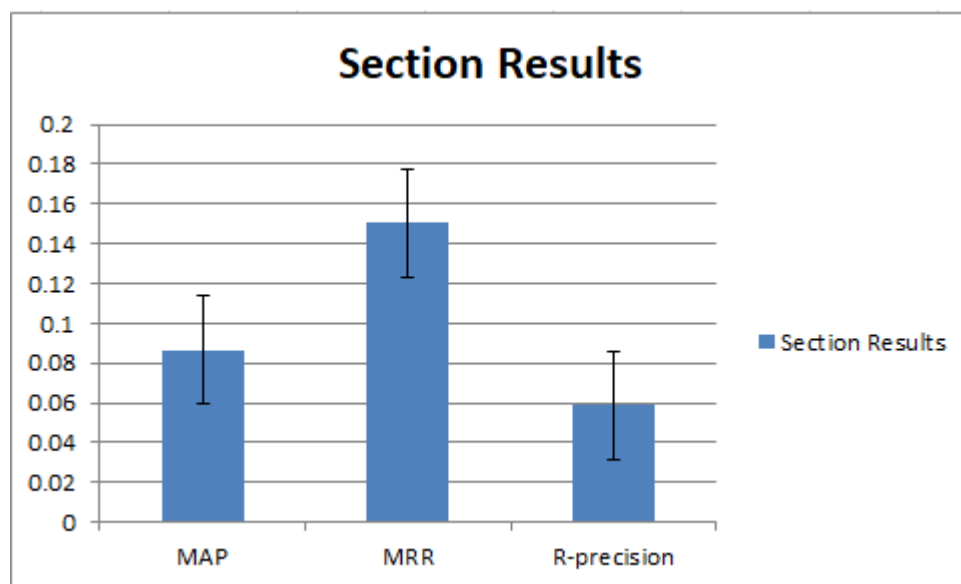


Figure 2: Benchmark Y1 Train Dataset Section Level Results