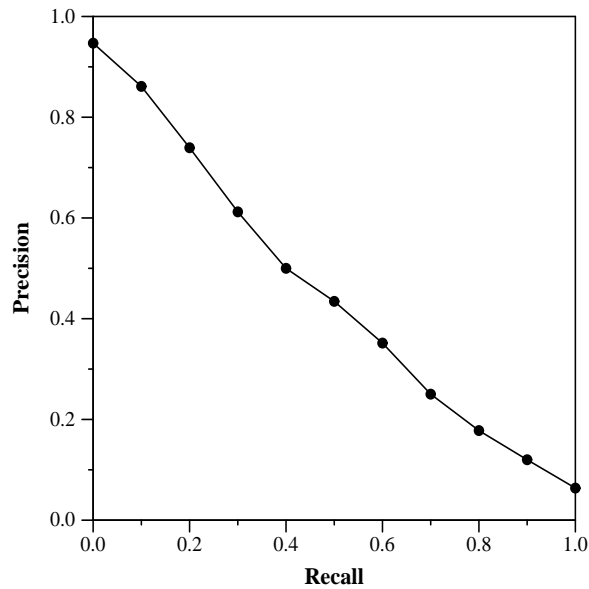
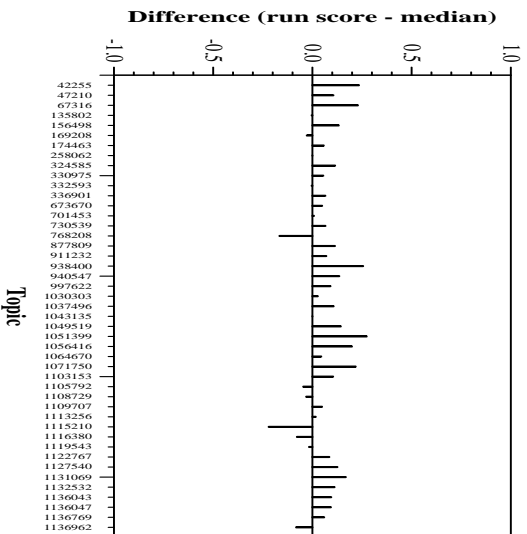


Deep Learning Track results — (BITEM) SIB Text Mining - BiTeM group

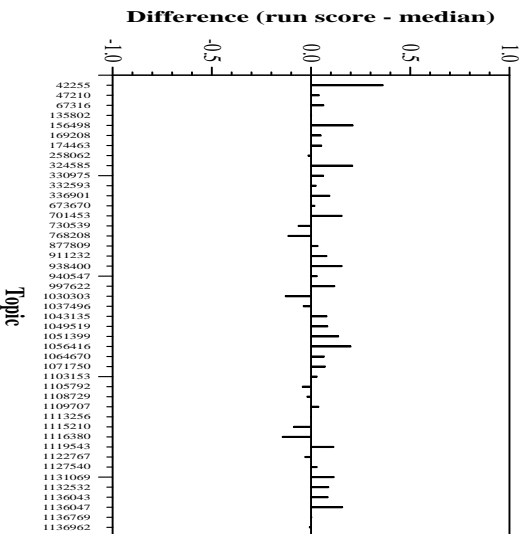
| Run Description | |
|--|--|
| Run ID | fr_doc_roberta |
| Task | Document Ranking |
| Subtask | Full ranking |
| Topic type | Automatic |
| Used deep nn model? | Yes |
| Type of training | Used passage task training labels |
| ORCAS data used for something other than training? | No |
| Training cost? | Training of the passage model of about 26 hours on 8 GPUs (V100) |

| Overall measures | | Document Level Averages | |
|--------------------------|--------|-------------------------|-----------|
| Number of topics | 45 | | Precision |
| Total number retrieved | 4500 | At 5 docs | 0.7600 |
| Total relevant | 1767 | At 10 docs | 0.6578 |
| Total relevant retrieved | 889 | At 15 docs | 0.5896 |
| MAP | 0.4423 | At 20 docs | 0.5144 |
| Mean NDCG@10 | 0.6404 | At 30 docs | 0.4304 |
| Mean NDCG@100 | 0.6390 | R-Precision | |
| Mean Reciprocal Rank | 0.9365 | Exact | 0.4683 |

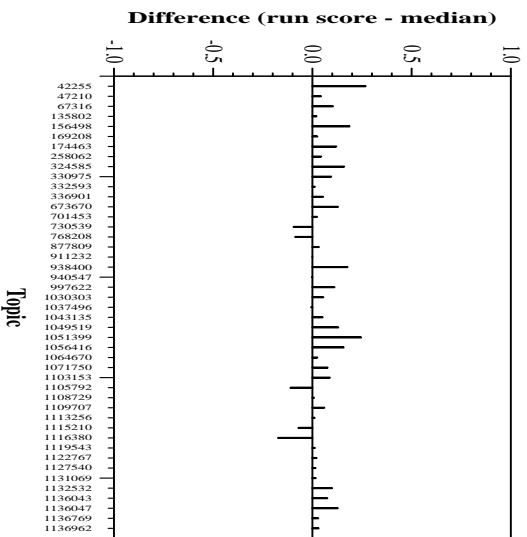




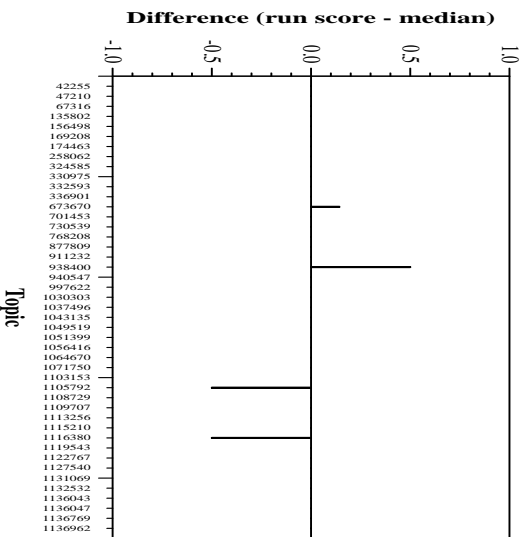
Per-topic difference from median for NDCG@10 for Document Ranking runs



Per-topic difference from median for Average Precision for Document Ranking runs



Per-topic difference from median for NDCG@100 for Document Ranking runs



Per-topic difference from median for Reciprocal Rank for Document Ranking runs