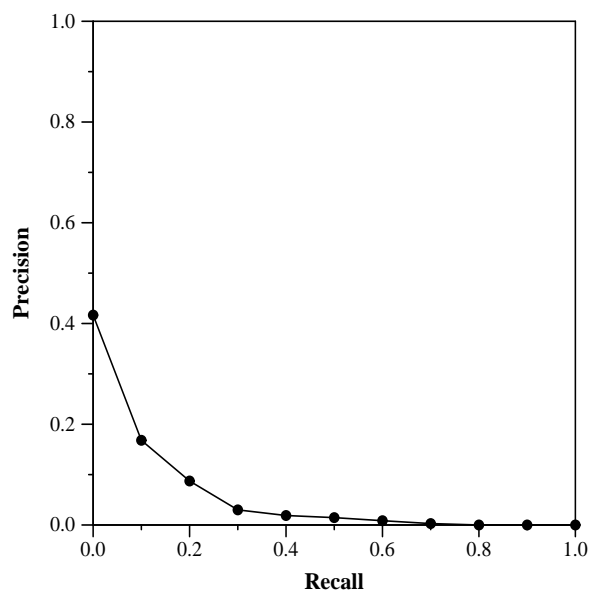
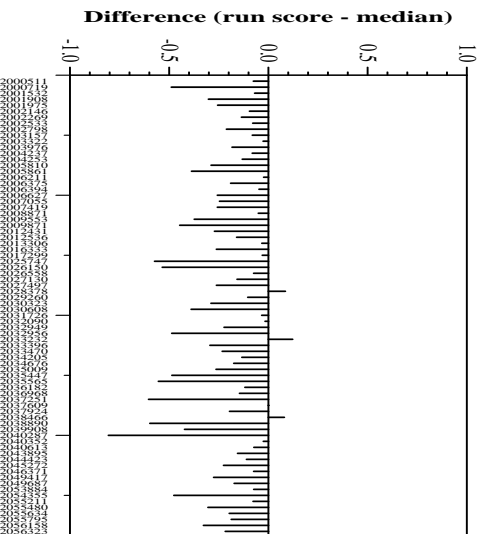


## Deep Learning Track results — (srchvrs) srchvrs

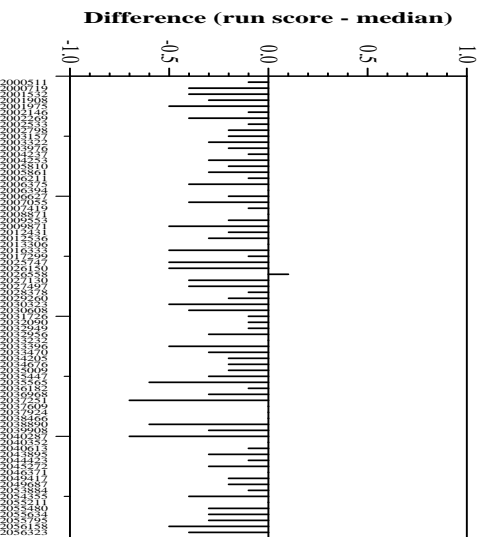
| Run Description               |                                                                            |
|-------------------------------|----------------------------------------------------------------------------|
| Run ID:                       | srchvrs_p_bm25f                                                            |
| Task:                         | Passage Ranking                                                            |
| Subtask:                      | Full ranking from the collection                                           |
| Topic type:                   | Automatic                                                                  |
| Single-stage retrieval?       | No                                                                         |
| Dense retrieval?              | No                                                                         |
| Baseline run?                 | Yes                                                                        |
| Used deep nn model?           | No neural representation learning                                          |
| Type of training:             | This year's MS MARCO training data; Previous year's MS MARCO training data |
| Training cost:                | N/A                                                                        |
| Pre-processing/indexing cost: | N/A                                                                        |
| Query processing cost:        | N/A                                                                        |

| Overall measures         |        | Document Level Averages |           |
|--------------------------|--------|-------------------------|-----------|
| Number of topics         | 76     |                         | Precision |
| Total number retrieved   | 6744   | At 5 docs               | 0.1921    |
| Total relevant           | 4613   | At 10 docs              | 0.1816    |
| Total relevant retrieved | 585    | At 15 docs              | 0.1640    |
| MAP                      | 0.0482 | At 20 docs              | 0.1507    |
| Mean NDCG@10             | 0.3178 | At 30 docs              | 0.1311    |
| Mean Reciprocal Rank     | 0.3798 |                         |           |
|                          |        | R-Precision             |           |
|                          |        | Exact                   | 0.1005    |

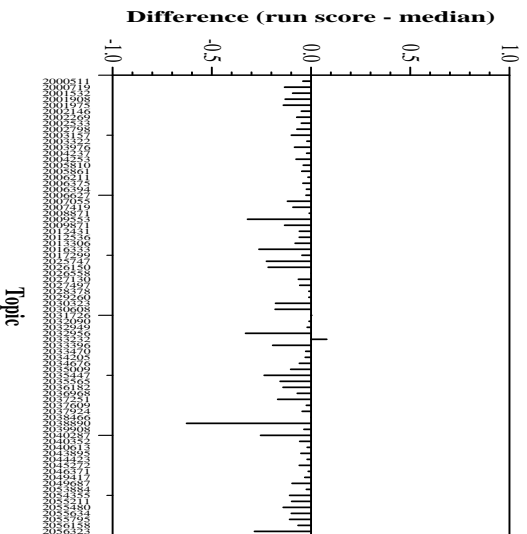




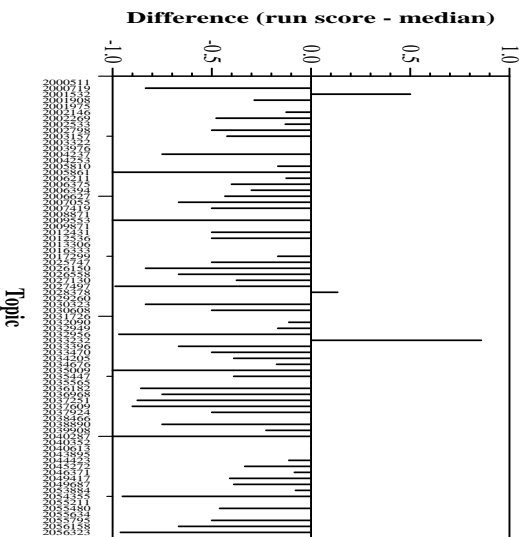
Per-topic difference from median for NDCG@10 for Passage Ranking runs



Per-topic difference from median for Prec@10 for Passage Ranking runs



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



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