

Round 2 results — Run ucd_cs_r1 submitted from UCD_CS

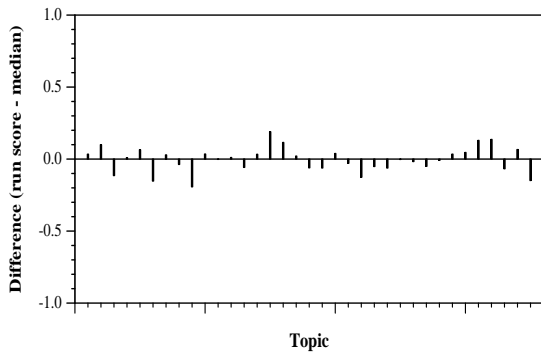
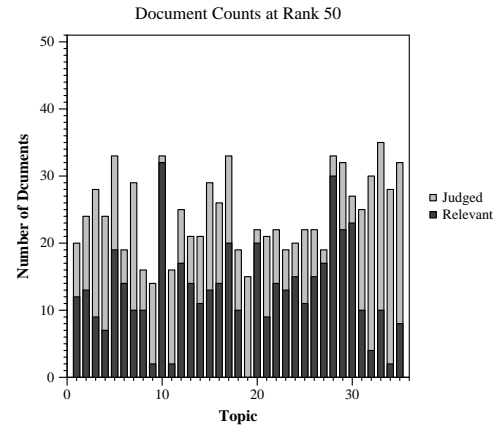
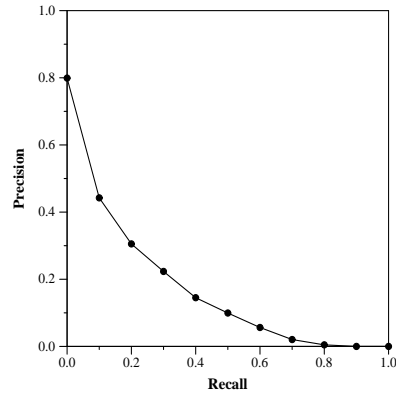
Run Description

In the first stage, we use BM25 for retrieving 1000 documents per topic with parameters set up as reported in SLEDGE [1]. At this stage, all fields of the topic are used as the query and the document index is the fulltext version from Anserini. In the next stage, the 1000 documents are re-ranked by leveraging the off-the-shelf pre-trained SciBERT directly without fine-tuning. For re-ranking, all fields of the topic are concatenated to represent the query and only abstract is used as the document field. [1]: MacAvaney S, Cohan A, Goharian N. SLEDGE: A Simple Yet Effective Baseline for Coronavirus Scientific Knowledge Search. arXiv preprint arXiv:2005.02365. 2020 May 5.

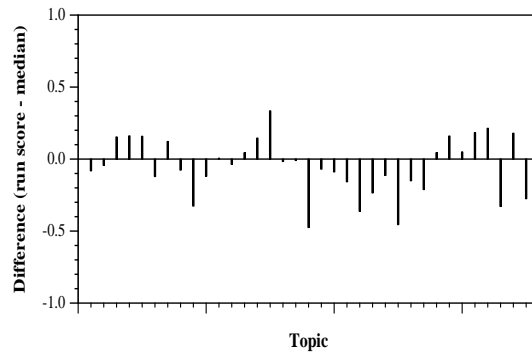
| Summary Statistics | |
|-------------------------------|-----------|
| Run ID | ucd_cs_r1 |
| Topic type | feedback |
| Contributed to judgment sets? | yes |

| Overall measures | |
|--------------------------|----------------|
| Number of topics | 35 |
| Total number retrieved | 27219 |
| Total relevant | 3002 |
| Total relevant retrieved | 1561 |
| MAP | 0.1570 |
| Mean Bpref | 0.3660 |
| Mean NDCG@10 | 0.4208 |
| Mean RBP(p=0.5) | 0.4653 +0.0030 |

| Document Level Averages | |
|-------------------------|-----------|
| | Precision |
| At 5 docs | 0.5600 |
| At 10 docs | 0.4771 |
| At 15 docs | 0.4114 |
| At 20 docs | 0.3671 |
| At 30 docs | 0.3133 |
| R-Precision | |
| Exact | 0.2244 |

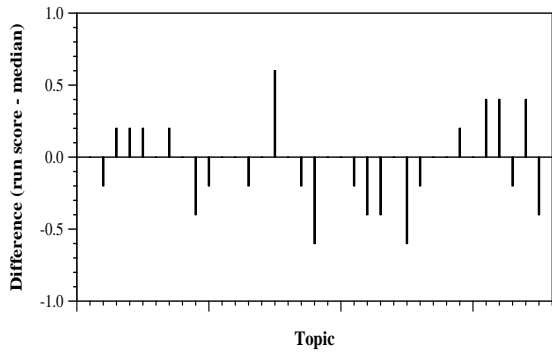


Per-topic difference from median bpref for all Round 2 runs

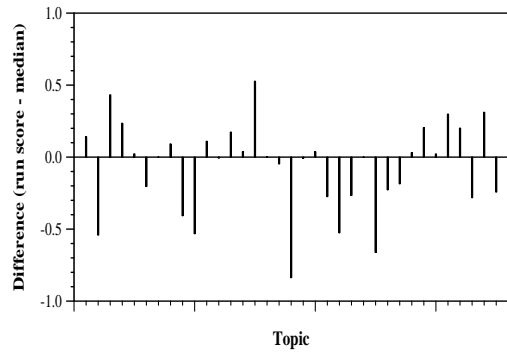


Per-topic difference from median NDCG@10 for all Round 2 runs

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Per-topic difference from median P@5 for all Round 2 runs



Per-topic difference from median RBP(p=0.5) for all Round 2 runs