

**Round 3 results — Run covidex.r3.monot5 submitted from covidex**

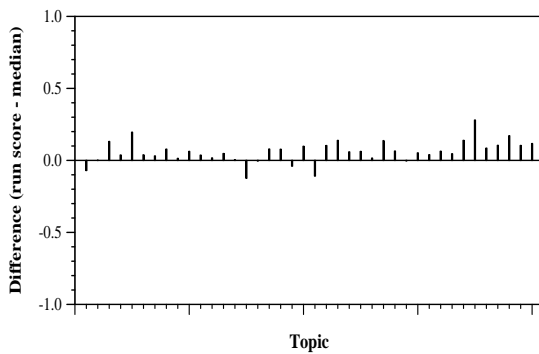
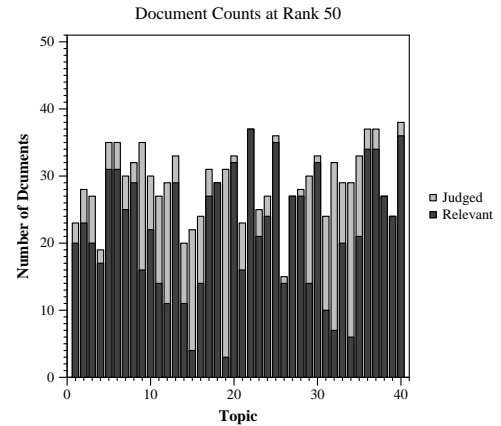
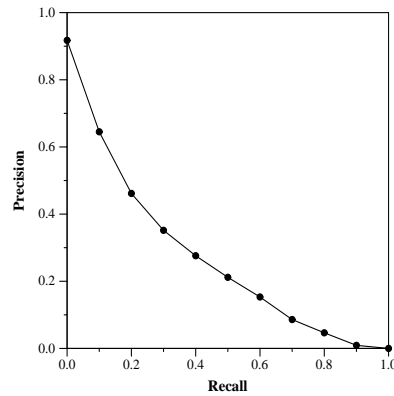
**Run Description**

Reciprocal rank fusion of two runs: 1) Anserini r3.fusion1 reranked with medT5-3B; 2) Anserini r3.fusion2 reranked with medT5-3B. Our reranker (medT5-3B) is a T5-3B reranker fine-tuned on MS MARCO then fine-tuned (again) on MS MARCO medical subset (from MacAvaney et al., 2020, "SLEDGE"). You can find Anserini fusion baselines for round 3 here: <https://github.com/castorini/anserini/blob/master/docs/experiments-covid.md>

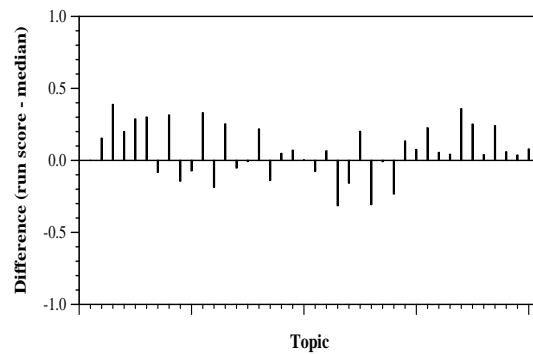
| Summary Statistics            |                   |
|-------------------------------|-------------------|
| Run ID                        | covidex.r3.monot5 |
| Topic type                    | automatic         |
| Contributed to judgment sets? | no                |

| Overall measures         |                |
|--------------------------|----------------|
| Number of topics         | 40             |
| Total number retrieved   | 38612          |
| Total relevant           | 4698           |
| Total relevant retrieved | 3024           |
| MAP                      | 0.2635         |
| Mean Bpref               | 0.5254         |
| Mean NDCG@10             | 0.6596         |
| Mean RBP(p=0.5)          | 0.7356 +0.0654 |

| Document Level Averages |           |
|-------------------------|-----------|
|                         | Precision |
| At 5 docs               | 0.7800    |
| At 10 docs              | 0.7000    |
| At 15 docs              | 0.6467    |
| At 20 docs              | 0.6025    |
| At 30 docs              | 0.5250    |
| R-Precision             |           |
| Exact                   | 0.3223    |



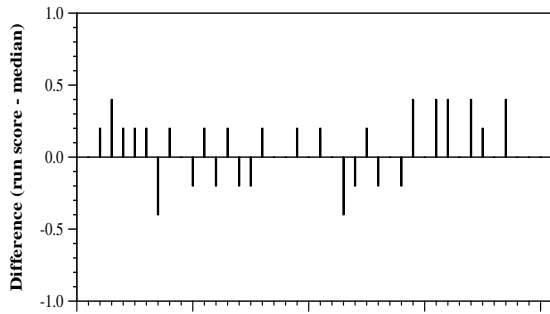
Per-topic difference from median bpref for all Round 3 runs



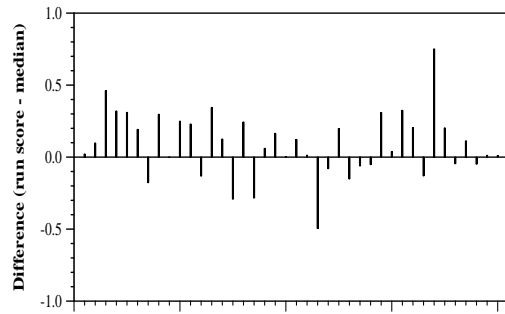
Per-topic difference from median NDCG@10 for all Round 3 runs

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Per-topic difference from median P@5 for all Round 3 runs



Per-topic difference from median RBP(p=0.5) for all Round 3 runs