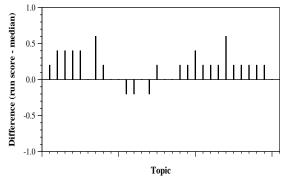
Round 1 results — Run CSIROmedNIR submitted from CSIROmed

Run Description

A neural index was built on the title, abstract fields of the COVID corpus alongside a traditional inverted index built on title, abstract and body text of the document. The neural index was built from the pooled classification token (1st token of the final BERT layer) using the covidbert-nli model (https://huggingface.co/gsarti/covidbertnli) from the title, based off the sentence transformer (Reimers et al. Sentence-BERT, 2019). For the abstract, we took the Bag-of-Sentence approach where we averaged the individual sentence embeddings (sentence were segmented using segtok). All embeddings had a final dimension size of [1, 768]. We searched on the neural index using the query, narrative and question fields of the topics using the same embedding approach as with the document title embedding over the title and abstract neural index fields giving a total of 6 cosine similarity computations. We combine BM25 scores from traditional search over a combination of query, narrative and question fields over all document facets (body, title, abstract), giving a total of 9 different query-facet combinations. We take the natural logarithm of the total BM25 score (to match the range of the cosine scores) which is then added the cosine scores: final_score = log(sum of BM25 query-facet combs) + cosineScores Additionally, we filter the document by date. Documents created before December 31st 2019 (before the first reported case) had their scores automatically set to zero.

Summary Statistics	Overall measures
Run ID CSIROmedNIR	Number of topics 30
Topic type automatic	Total number retrieved 30000
Contributed to judgment sets? no	Total relevant 2352
	Total relevant retrieved 1305
	MAP 0.2169
	Mean Bpref 0.4066
	Mean NDCG@10 0.5875
1.0 -	Document Counts at Rank 50
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	Topic
Per-topic difference from median bpref for all Round 1 ru	ns Per-topic difference from median NDCG@10 for all Round 1 runs

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Per-topic difference from median P@5 for all Round 1 runs