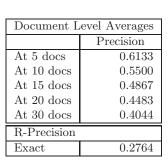
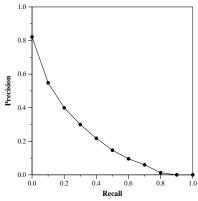
## Run Description

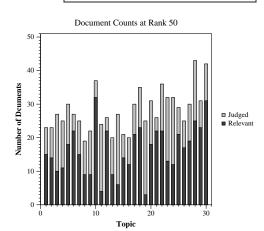
We tackle this document retrieval task as a passage retrieval task performed in two steps: a first ranking and b) re-ranking. Our system returns docids of their best scored passages. In order to obtain the first ranking of relevant passages of the collection corresponding to the queries, we use a language modeling based information retrieval approach (Ponte & Croft, 1998). For that purpose, we used the Indri search engine (Strohman, 2005), which combines Bayesian networks with language models. Then, we make a reranking based on BERT following a strategy similar to the one proposed by Nogueira and Cho (2019). As we do not have a collection of query pairs and relevant paragraphs for tuning BERT for this passage retrieval task, we simulate a training collection composed of titles and their corresponding abstracts from the COVID-19 Open Research dataset. Through this training collection we tuned the Clinical BERT model (Alsentzer et al., 2019) to the task of identifying relevant queries and paragraphs.

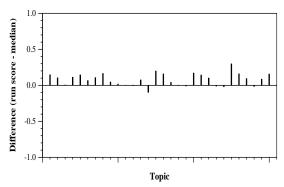
Summary Statistics	
Run ID	elhuyar_rRnk_cbert
Topic type	automatic
Contributed to judgment sets?	yes

Overall measures		
Number of topics	30	
Total number retrieved	29999	
Total relevant	2352	
Total relevant retrieved	1328	
MAP	0.2093	
Mean Bpref	0.4066	
Mean NDCG@10	0.4864	

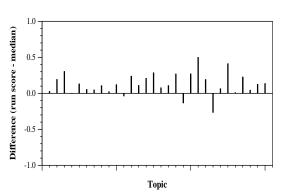




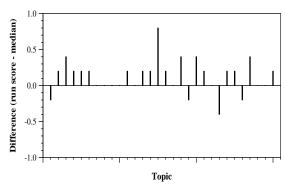








Per-topic difference from median NDCG@10 for all Round 1 runs



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