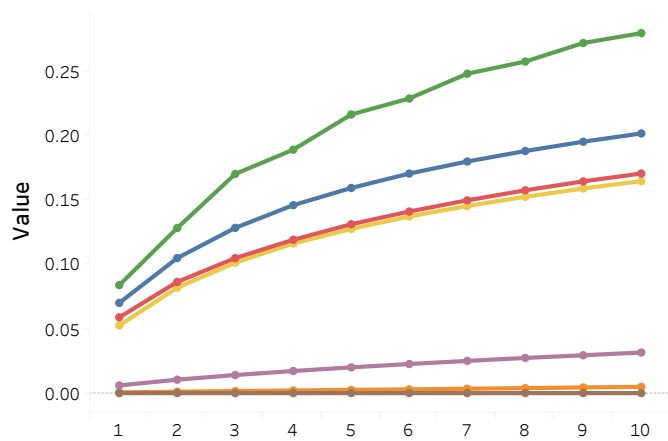
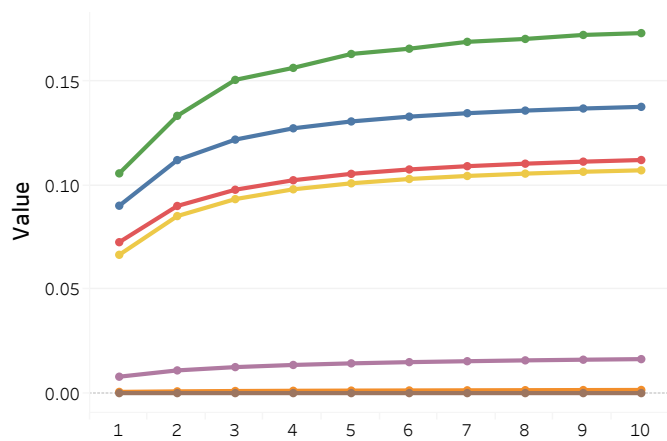


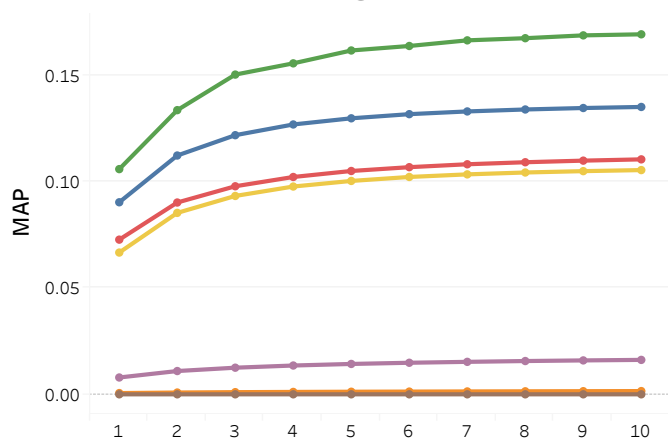
### Recall@k



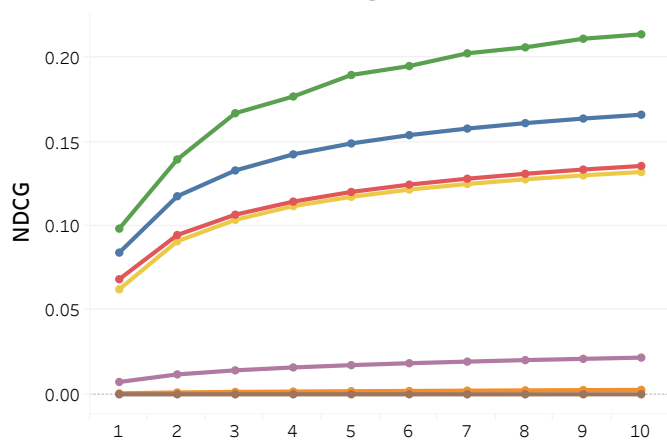
### MRR@k



### MAP@k



### NDCG@k



■ BM25
 ■ LDA
 ■ Doc2Vec
 ■ Hybrid

■ Paper2Vec
 ■ hd2vINOUT
 ■ hd2vOUT