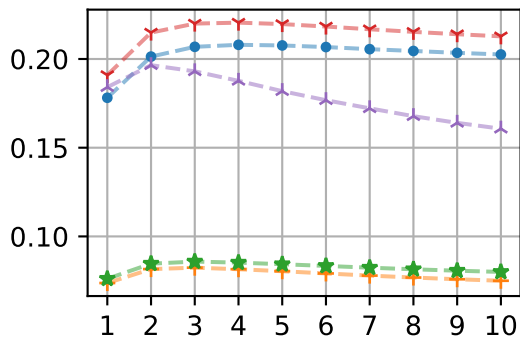
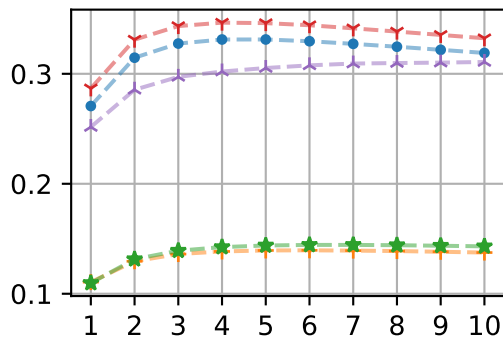


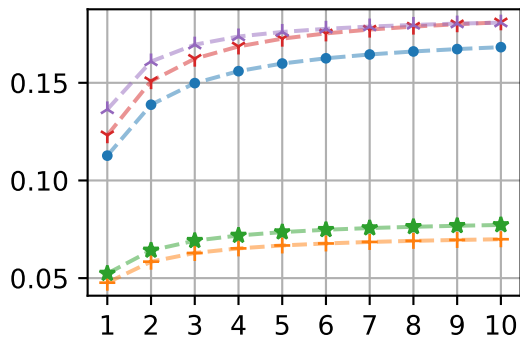
NDCG



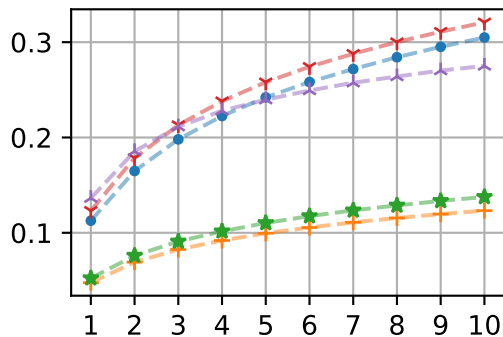
MAP



MRR



Recall



—●— bow   
 —+— np   
 —★— pp   
 —x— pp+bow   
 —△— npmarker