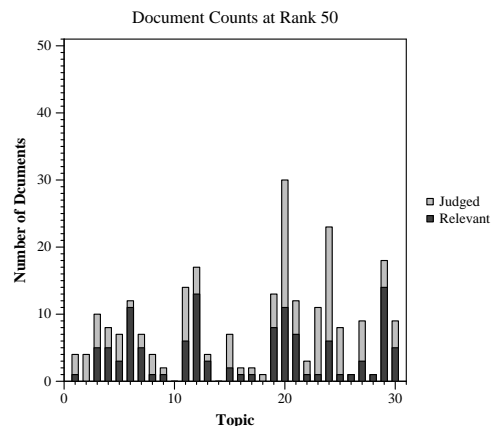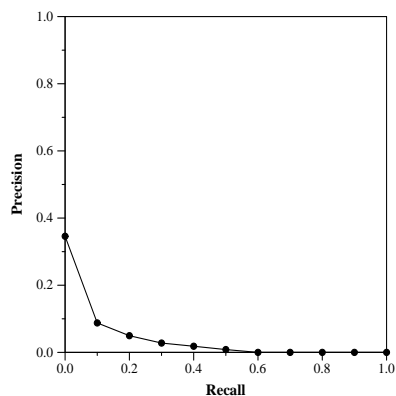# Round 1 results — Run jlrecall submitted from julielab

Run Description

Indexing of text contents into ElasticSearch 7.0.1 with default settings.. Searching: We downloaded the UMLS (Version 2019AB). We used the Jena UMLS Filter Tool (JuFiT, https://github.com/JULIELab/jufit) to filter the UMLS for English terms belonging to a manually composed list of nearly 50 Semantic Type Groups. The semantic types were selected to compile a dictionary of anatomy, drugs, diseases, symptoms, disorders, and common behavior about people. The goal was to augment the topic information with terms that could help in the search vor COVID-19 literature. This is the employed UMLS term group: T052 ACTI Activity T053 ACTI Behavior T055 ACTI Individual_Behavior T056 ACTI Daily_or_Recreational_Activity T017 ANAT Anatomical_Structure T021 ANAT Fully_Formed_Anatomical_Structure T022 ANAT Body_System T023 ANAT Body_Part,_Organ,_or_Organ_Component T024 ANAT Tissue T029 ANAT Body_Location_or_Region T030 ANAT Body_Space_or_Junction T031 ANAT Body_Substance T121 CHEM Pharmacologic_Substance T129 CHEM Immunologic_Factor T130 CHEM Indicator,_Reagent,_or_Diagnostic_Aid T195 CHEM Antibiotic T200 CHEM Clinical_Drug T079 CONC Temporal_Concept T081 CONC Quantitative_Concept T170 CONC Intellectual_Product T074 DEVI Medical_Device T075 DEVI Research_Device T203 DEVI Drug_Delivery_Device T020 DISO Acquired_Abnormality T033 DISO Finding T047 DISO Disease_or_Syndrome T184 DISO Sign_or_Symptom T190 DISO Anatomical_Abnormality T083 GEOG Geographic_Area T005 LIVB Virus T016 LIVB Human T098 LIVB Population_Group T099 LIVB Family_Group T100 LIVB Age_Group T101 LIVB Patient_or_Disabled_Group T073 OBJC Manufactured_Object T093 ORGA Health_Care_Related_Orga T034 PHEN Laboratory_or_Test_Result T038 PHEN Biologic_Function T032 PHYS Organism_Attribute T039 PHYS Physiologic_Function T040 PHYS Organism_Function T042 PHYS Organ_or_Tissue_Function T201 PHYS Clinical_Attribute T058 PROC Health_Care_Activity T059 PROC Laboratory_Procedure T060 PROC Diagnostic_Procedure T061 PROC Therapeutic_or_Preventive_Procedure T062 PROC Research_Activity T063 PROC Molecular_Biology_Research_Technique

Summary Statistics	
Run ID	jlrecall
Topic type	automatic
Contributed to judgment sets?	no

Overall measures	
Number of topics	30
Total number retrieved	30000
Total relevant	2352
Total relevant retrieved	658
MAP	0.0291
Mean Bpref	0.2172
Mean NDCG@10	0.1151

Document Level Averages	
	Precision
At 5 docs	0.1600
At 10 docs	0.1300
At 15 docs	0.1200
At 20 docs	0.1033
At 30 docs	0.0833
R-Precision	
Exact	0.0667

Document Counts at Rank 50
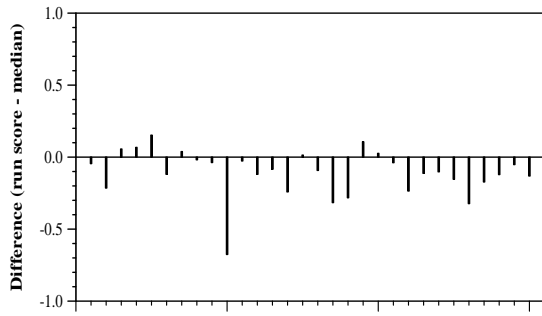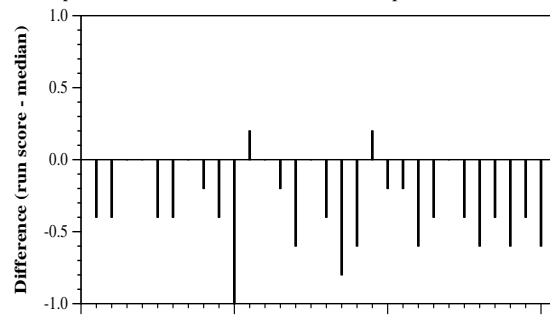
Per-topic difference from median bpref for all Round 1 runs
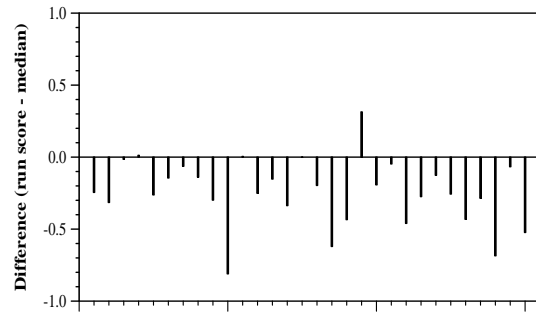
Per-topic difference from median NDCG@10 for all Round 1 runs

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