Browsing and Searching Metadata of TREC

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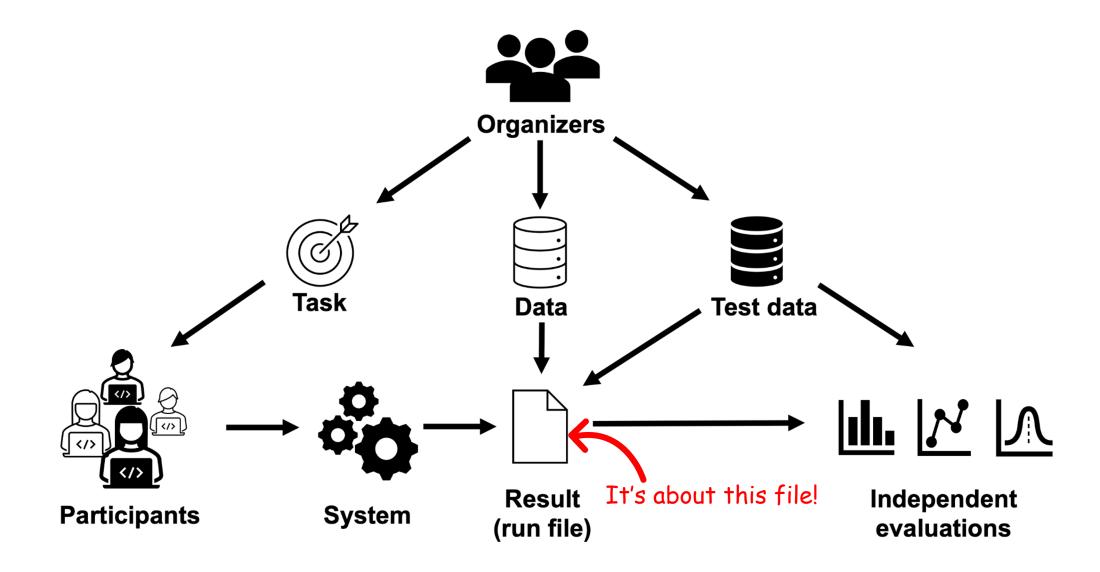
The 47th International ACM SIGIR Conference on Research and Development in Information Retrieval

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Common task framework or "How to TREC?"



Motivation

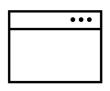


Our contributions



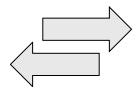
Database

Metadata covering over 30 years of TREC experiments for a sustainable reuse of submissions and better data provenance.



Metadata browser

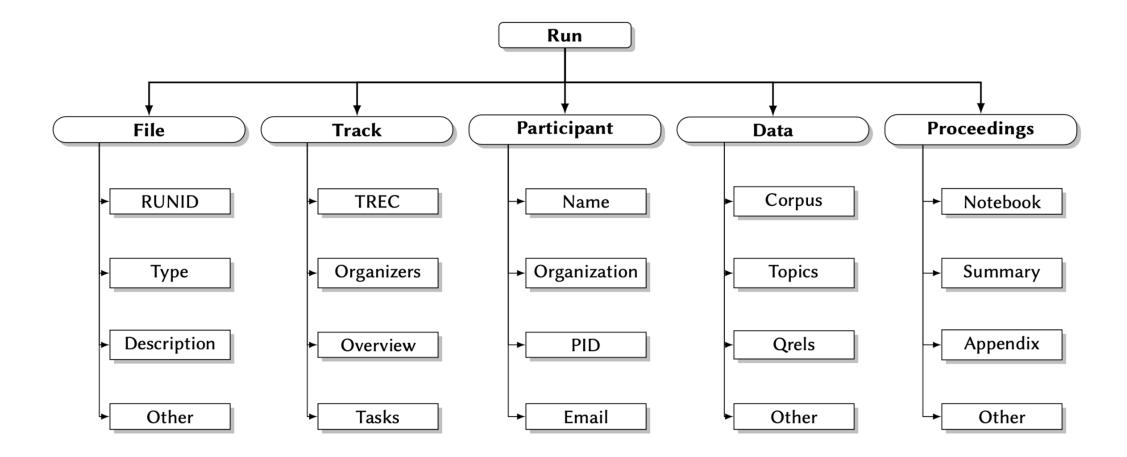
A new web-based browsing interface to TREC metadata, making TREC resources easier to find and browsable.



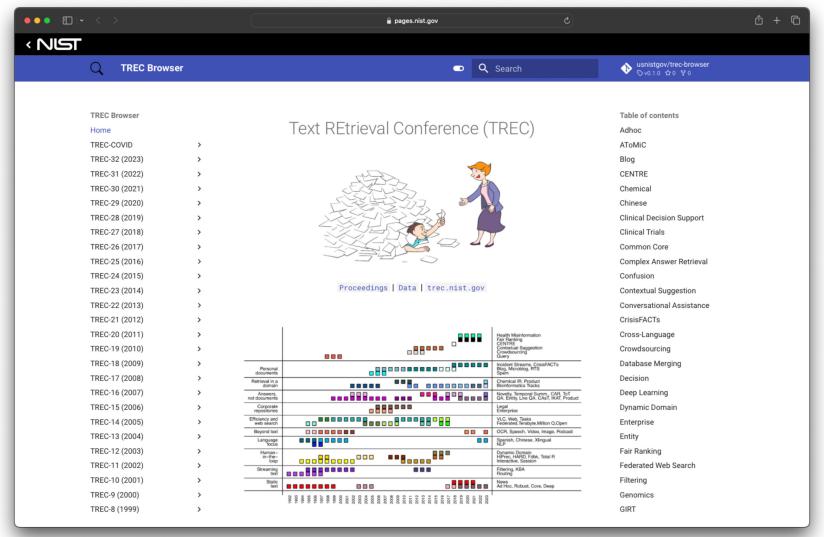
Web interface / REST API to the metadata

REST API for principled and systematic search access to the TREC metadata and resources.

Metadata scheme



Browsing TREC metadata





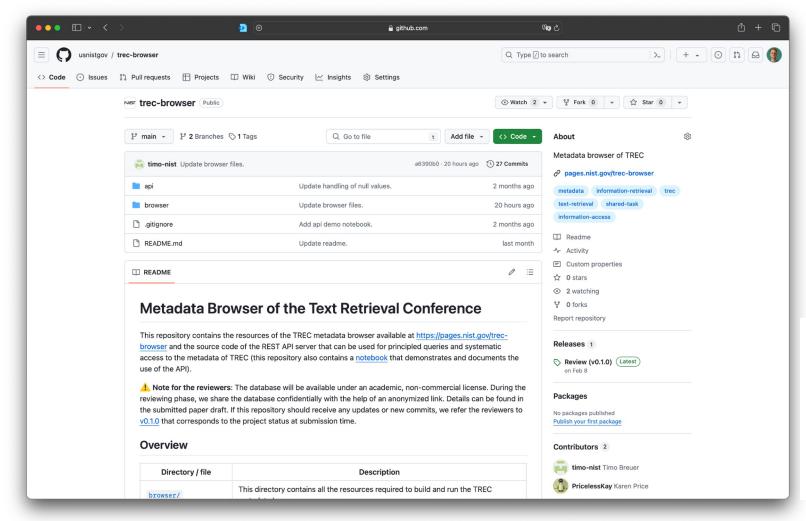
https://pages.nist.gov/trec-browser

Searching TREC metadata

GET trec/api/v1/trec26/core/WaterlooCormack/WCrobust04

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'appendix url': 'https://trec.nist.gov/pubs/trec26/appendices/core/WCrobust04.pdf',
'data': {
         'corpus': 'https://catalog.ldc.upenn.edu/LDC2008T19',
         'grels': 'https://trec.nist.gov/data/core/grels.txt',
         'topics': 'https://trec.nist.gov/data/core/core nist.txt'
'date': '6/8/2017',
'description': 'Logistic Regression (Sofia-ML, Cornell TF-IDF features, from Total Recall BMI) trained on Robust 04 grels.',
'input url': 'https://trec.nist.gov/results/trec26/core/input.WCrobust04.gz',
'md5': '33768045401d9c6aa1205c3a9042cc63',
'participant': {
                'name': 'Gordon V. Cormack',
                'organization': 'University of Waterloo',
                'pid': 'WaterlooCormack'
'publication':
                'author': 'Maura R. Grossman, Gordon V. Cormack',
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'type': 'automatic',
'year': 2017
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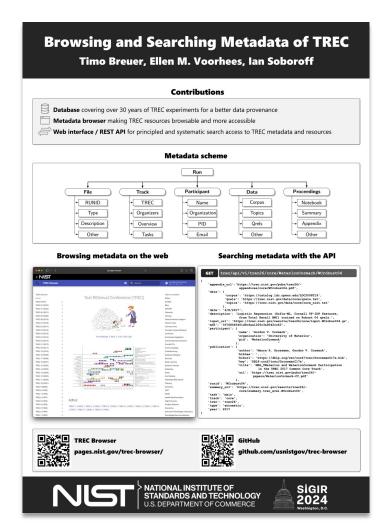
We embrace the community's engagement!





https://github.com/usnistgov/trec-browser

Thank you for your attention!



Poster & Demo Session

When:

Wednesday, July 17th, 2024 14:00-17:30

Where:

Congressional Ballroom & Senate



https://github.com/usnistgov/trec-browser



https://pages.nist.gov/trec-browser/