Resource Summary Report

Generated by dkNET on May 9, 2025

brat rapid annotation tool

RRID:SCR_008769
Type: Tool

Proper Citation

brat rapid annotation tool (RRID:SCR_008769)

Resource Information

URL: http://brat.nlplab.org/index.html

Proper Citation: brat rapid annotation tool (RRID:SCR_008769)

Description: brat is a free, open-source, web-based tool for text annotation, visualisation and editing. brat is designed in particular for structured annotation, where the notes are not freeform text but have a fixed form that can be automatically processed and interpreted by a computer. brat is built entirely on standard web technologies, and it is not necessary to install any local software or browser plugins to use it. An annotator can set up and start using brat simply by entering the address of the brat installation into the address bar of a browser. (Setting up an entirely new brat server does require some action, but can be done in just five minutes on any system running a web server.) brat is fully configurable and can support a wide variety of annotation tasks, including, for example: * entity mention (named entity) annotation * binary relation annotation * dependency syntactic annotation * structured, n-ary event annotation * attribute/meta-knowledge annotation (e.g. negation, speculation, etc.) The tool also provides annotation support features such as text and annotation search with detailed constraints, keyword-in-context concordancing, and integrated configurable checking of task-specific semantic constraints. Annotations created in brat can be exported with a few clicks from the interface in a simple standoff format that can be easily analyzed, processed, and converted into other formats. Visualizations can be similarly be exported in their native SVG format, rendered as a bitmap (PNG format), or converted into other vector formats for embedding into documents (PDF or EPS). brat is developed as a collaborative effort between several research groups as an open source project (MIT license), and we warmly welcome contributions and participation from the community, including feature requests. We hope this tool will prove valuable to the natural language processing community, and will gladly answer questions and welcome any feedback.

Abbreviations: brat

Synonyms: brat rapid annotation tool - online environment for collaborative text annotation

Resource Type: service resource, software resource

Keywords: language processing, annotation, chunking, coreference resolution, dependency syntax, event extraction, entity mention detection, semantic mark up

Funding:

Resource Name: brat rapid annotation tool

Resource ID: SCR_008769

Alternate IDs: nlx_144101

Record Creation Time: 20220129T080249+0000

Record Last Update: 20250508T065157+0000

Ratings and Alerts

No rating or validation information has been found for brat rapid annotation tool.

No alerts have been found for brat rapid annotation tool.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 21 mentions in open access literature.

Listed below are recent publications. The full list is available at dkNET.

Mao X, et al. (2025) A phenotype-based AI pipeline outperforms human experts in differentially diagnosing rare diseases using EHRs. NPJ digital medicine, 8(1), 68.

Wang W, et al. (2024) A tree-based corpus annotated with Cyber-Syndrome, symptoms, and acupoints. Scientific data, 11(1), 482.

Liu CF, et al. (2023) Automatic comprehensive radiological reports for clinical acute stroke MRIs. Communications medicine, 3(1), 95.

Yavari M, et al. (2022) Satisfaction and Functional Outcome of Surgical Treatment in Patients with Brachial Plexus Injury: A Decade of Retrospective Comparative Study. World

journal of plastic surgery, 11(3), 28.

He J, et al. (2021) ChEMU 2020: Natural Language Processing Methods Are Effective for Information Extraction From Chemical Patents. Frontiers in research metrics and analytics, 6, 654438.

Patra BG, et al. (2021) Extracting social determinants of health from electronic health records using natural language processing: a systematic review. Journal of the American Medical Informatics Association : JAMIA, 28(12), 2716.

Neves M, et al. (2021) An extensive review of tools for manual annotation of documents. Briefings in bioinformatics, 22(1), 146.

Hobbs ET, et al. (2021) ECO-CollecTF: A Corpus of Annotated Evidence-Based Assertions in Biomedical Manuscripts. Frontiers in research metrics and analytics, 6, 674205.

Valentin S, et al. (2021) PADI-web 3.0: A new framework for extracting and disseminating fine-grained information from the news for animal disease surveillance. One health (Amsterdam, Netherlands), 13, 100357.

Chen X, et al. (2021) Automatic extraction of subordinate clauses and its application in second language acquisition research. Behavior research methods, 53(2), 803.

Kury F, et al. (2020) Chia, a large annotated corpus of clinical trial eligibility criteria. Scientific data, 7(1), 281.

Liu C, et al. (2019) Doc2Hpo: a web application for efficient and accurate HPO concept curation. Nucleic acids research, 47(W1), W566.

Giovannetti M, et al. (2019) Identification of novel genes involved in phosphate accumulation in Lotus japonicus through Genome Wide Association mapping of root system architecture and anion content. PLoS genetics, 15(12), e1008126.

Wheater E, et al. (2019) A validated natural language processing algorithm for brain imaging phenotypes from radiology reports in UK electronic health records. BMC medical informatics and decision making, 19(1), 184.

Suárez-Paniagua V, et al. (2018) Evaluation of pooling operations in convolutional architectures for drug-drug interaction extraction. BMC bioinformatics, 19(Suppl 8), 209.

Tchechmedjiev A, et al. (2018) Enhanced functionalities for annotating and indexing clinical text with the NCBO Annotator. Bioinformatics (Oxford, England), 34(11), 1962.

Wu HY, et al. (2018) DrugMetab: An Integrated Machine Learning and Lexicon Mapping Named Entity Recognition Method for Drug Metabolite. CPT: pharmacometrics & systems pharmacology, 7(11), 709.

Suárez-Paniagua V, et al. (2017) Exploring convolutional neural networks for drug-drug interaction extraction. Database : the journal of biological databases and curation, 2017.

Yu ZB, et al. (2017) Functional Connectivity Differences in the Insular Sub-regions in Migraine without Aura: A Resting-State Functional Magnetic Resonance Imaging Study. Frontiers in behavioral neuroscience, 11, 124.

Funk CS, et al. (2015) Evaluating a variety of text-mined features for automatic protein function prediction with GOstruct. Journal of biomedical semantics, 6, 9.