

Resource Summary Report

Generated by ASWG on Aug 4, 2026

BERT

RRID:SCR_018008

Type: Tool

Proper Citation

BERT (RRID:SCR_018008)

Resource Information

URL: <https://github.com/google-research/bert>

Proper Citation: BERT (RRID:SCR_018008)

Description: Technique for Natural Language Processing pre-training developed by Google. Pre-training of Deep Bidirectional Transformers for Language Understanding. Language representation model designed to pre-train deep bidirectional representations from unlabeled text by jointly conditioning on both left and right context in all layers.

Abbreviations: BERT

Synonyms: Bidirectional Encoder Representations from Transformers

Resource Type: software resource, software application

Keywords: text mining, natural language processing, pre-training, Google, deep bidirectional transformers, language understanding, unlabeled text, language representation model

Availability: Free, Available for download, Freely available

Resource Name: BERT

Resource ID: SCR_018008

License: Apache License 2.0

Record Creation Time: 20220129T080338+0000

Record Last Update: 20260801T191109+0000

Ratings and Alerts

No rating or validation information has been found for BERT.

No alerts have been found for BERT.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 26 mentions in open access literature.

Listed below are recent publications. The full list is available at [ASWG](#) .

Hakami H, et al. (2025) Automatic classification of mobile apps to ensure safe usage for adolescents. PloS one, 20(1), e0313953.

Nakamura M, et al. (2024) Unraveling the DNA methylation landscape in dog blood across breeds. BMC genomics, 25(1), 1089.

Moon S, et al. (2023) Assessing document section heterogeneity across multiple electronic health record systems for computational phenotyping: A case study of heart-failure phenotyping algorithm. PloS one, 18(3), e0283800.

Dong H, et al. (2023) Ontology-driven and weakly supervised rare disease identification from clinical notes. BMC medical informatics and decision making, 23(1), 86.

Fang L, et al. (2023) Bioformer: an efficient transformer language model for biomedical text mining. ArXiv.

Lentzen M, et al. (2022) Critical assessment of transformer-based AI models for German clinical notes. JAMIA open, 5(4), ooac087.

Kart ??, et al. (2022) Emati: a recommender system for biomedical literature based on supervised learning. Database : the journal of biological databases and curation, 2022.

Robledo C, et al. (2022) An open-source natural language processing toolkit to support software development: addressing automatic bug detection, code summarisation and code search. Open research Europe, 2, 37.

Martinez VR, et al. (2022) Boys don't cry (or kiss or dance): A computational linguistic lens into gendered actions in film. PloS one, 17(12), e0278604.

Zeng W, et al. (2022) MuLan-Methyl-multiple transformer-based language models for accurate DNA methylation prediction. GigaScience, 12.

Li D, et al. (2021) Drug knowledge discovery via multi-task learning and pre-trained models. BMC medical informatics and decision making, 21(Suppl 9), 251.

Lu HY, et al. (2021) One for "All": a unified model for fine-grained sentiment analysis under three tasks. *PeerJ. Computer science*, 7, e816.

Liu Z, et al. (2021) AI-based language models powering drug discovery and development. *Drug discovery today*, 26(11), 2593.

Zhu Y, et al. (2021) Exploring Deep Transfer Learning Techniques for Alzheimer's Dementia Detection. *Frontiers in computer science*, 3.

Newman-Griffis D, et al. (2021) Automated Coding of Under-Studied Medical Concept Domains: Linking Physical Activity Reports to the International Classification of Functioning, Disability, and Health. *Frontiers in digital health*, 3.

Flemotomos N, et al. (2021) Automated quality assessment of cognitive behavioral therapy sessions through highly contextualized language representations. *PloS one*, 16(10), e0258639.

Cheng M, et al. (2021) Multi-task learning for Chinese clinical named entity recognition with external knowledge. *BMC medical informatics and decision making*, 21(1), 372.

Rasmy L, et al. (2021) Med-BERT: pretrained contextualized embeddings on large-scale structured electronic health records for disease prediction. *NPJ digital medicine*, 4(1), 86.

Rivera-Zavala RM, et al. (2021) Analyzing transfer learning impact in biomedical cross-lingual named entity recognition and normalization. *BMC bioinformatics*, 22(Suppl 1), 601.

Wang X, et al. (2021) InferBERT: A Transformer-Based Causal Inference Framework for Enhancing Pharmacovigilance. *Frontiers in artificial intelligence*, 4, 659622.