Resource Summary Report

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XGBoost

RRID:SCR_021361
Type: Tool

Proper Citation

XGBoost (RRID:SCR_021361)

Resource Information

URL: https://xgboost.ai/

Proper Citation: XGBoost (RRID:SCR_021361)

Description: Open source software tool as library for implementation of gradient boosting with various machine learning algorithms.Optimized distributed gradient boosting library designed to be highly efficient, flexible and portable.Supports regression, classification, ranking and user defined objectives.

Synonyms: eXtreme Gradient Boosting

Resource Type: software library, software toolkit, software resource

Defining Citation: DOI:10.1145/2939672.2939785

Keywords: Machine learning, gradient boosting, supports regression, supports classification, supports ranking, tree boosting system

Funding:

Availability: Free, Available for download, Freely available

Resource Name: XGBoost

Resource ID: SCR_021361

Alternate URLs: https://github.com/dmlc/xgboost/, https://cran.r-project.org/web/packages/xgboost/index.html

License: Apache-2

Record Creation Time: 20220129T080355+0000

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Ratings and Alerts

No rating or validation information has been found for XGBoost.

No alerts have been found for XGBoost.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 74 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Ryu G, et al. (2025) Machine learning based quantitative pain assessment for the perioperative period. NPJ digital medicine, 8(1), 53.

Zheng F, et al. (2024) Radiomics for predicting MGMT status in cerebral glioblastoma: comparison of different MRI sequences. Journal of radiation research, 65(3), 350.

Onwuka S, et al. (2024) Explainable AI-prioritized plasma and fecal metabolites in inflammatory bowel disease and their dietary associations. iScience, 27(7), 110298.

Lemvigh CK, et al. (2024) Impact of early risk factors on schizophrenia risk and age of diagnosis: A Danish population-based register study. European psychiatry : the journal of the Association of European Psychiatrists, 67(1), e64.

Jannusch K, et al. (2024) Prediction of therapy response of breast cancer patients with machine learning based on clinical data and imaging data derived from breast [18F]FDG-PET/MRI. European journal of nuclear medicine and molecular imaging, 51(5), 1451.

Beck D, et al. (2024) Dissecting unique and common variance across body and brain health indicators using age prediction. Human brain mapping, 45(6), e26685.

Dong C, et al. (2024) Sensitive detection of synthetic response to cancer immunotherapy driven by gene paralog pairs. bioRxiv : the preprint server for biology.

Ashokkumar M, et al. (2024) Integrated Single-cell Multiomic Analysis of HIV Latency

Reversal Reveals Novel Regulators of Viral Reactivation. Genomics, proteomics & bioinformatics, 22(1).

Ma Y, et al. (2024) Enhancing source code classification effectiveness via prompt learning incorporating knowledge features. Scientific reports, 14(1), 20220.

Winn-Deen ES, et al. (2024) Improving Specificity for Ovarian Cancer Screening Using a Novel Extracellular Vesicle-Based Blood Test: Performance in a Training and Verification Cohort. The Journal of molecular diagnostics : JMD, 26(12), 1129.

Zhang Z, et al. (2024) Synthetic DNA barcodes identify singlets in scRNA-seq datasets and evaluate doublet algorithms. Cell genomics, 4(7), 100592.

Dwibedi C, et al. (2024) Randomized open-label trial of semaglutide and dapagliflozin in patients with type 2 diabetes of different pathophysiology. Nature metabolism, 6(1), 50.

Boeckaerts D, et al. (2024) Prediction of Klebsiella phage-host specificity at the strain level. Nature communications, 15(1), 4355.

Vu LT, et al. (2024) Single-cell transcriptomics of the immune system in ME/CFS at baseline and following symptom provocation. Cell reports. Medicine, 5(1), 101373.

Mulyukov Z, et al. (2024) Artificial Intelligence-Based Disease Activity Monitoring to Personalized Neovascular Age-Related Macular Degeneration Treatment: A Feasibility Study. Ophthalmology science, 4(6), 100565.

Liang Q, et al. (2024) MolPhase, an advanced prediction algorithm for protein phase separation. The EMBO journal, 43(9), 1898.

Kawai M, et al. (2024) Early detection of pancreatic cancer by comprehensive serum miRNA sequencing with automated machine learning. British journal of cancer, 131(7), 1158.

Santipas B, et al. (2024) Development and internal validation of machine-learning models for predicting survival in patients who underwent surgery for spinal metastases. Asian spine journal, 18(3), 325.

Wu J, et al. (2024) Large-scale comparison of machine learning methods for profiling prediction of kinase inhibitors. Journal of cheminformatics, 16(1), 13.

Wang Y, et al. (2024) Prediction of lateral lymph node metastasis with short diameter less than 8 mm in papillary thyroid carcinoma based on radiomics. Cancer imaging : the official publication of the International Cancer Imaging Society, 24(1), 155.