

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 resource, software toolkit

Defining Citation: [DOI:10.1145/2939672.2939785](https://doi.org/10.1145/2939672.2939785)

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

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 173 mentions in open access literature.

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

Zhu XW, et al. (2026) Multi-modal feature learning to prioritize ADCs with favorable half-life in mice. *mAbs*, 18(1), 2657646.

Lee YW, et al. (2026) Admission clinical and functional assessments for predicting inpatient fall risk using machine learning models. *Digital health*, 12, 20552076261461638.

Arora P, et al. (2026) IL2Pepscan: A machine learning framework for predicting IL-2 inducing peptides and their identification across global viral proteomes. *Scientific reports*, 16(1), 6701.

Sarkar J, et al. (2026) Generating actionable insights to support point-of-care suicide risk decision-making in a safety-net healthcare system: a machine learning approach to predicting dynamic risk of intentional self-harm. *BMJ open*, 16(1), e095529.

Howard A, et al. (2026) Algorithmic antibiotic decision-making in urinary tract infection using prescriber-informed prediction of treatment utility. *NPJ digital medicine*, 9(1), 136.

Lammers-Lietz F, et al. (2026) Prediction and risk evaluation of delirium after surgery in older patients: development and internal validation of an algorithm from the prospective BioCog cohort study. *British journal of anaesthesia*, 136(5), 1495.

Yuan S, et al. (2026) Prediction of lymph node metastasis in cN0 papillary thyroid carcinoma using a random forest-based radiomics model integrating contrast-enhanced ultrasound and clinical data. *Frontiers in oncology*, 16, 1728554.

Li H, et al. (2026) Heart failure risk prediction based on machine learning and interpretability analysis. *Frontiers in medicine*, 13, 1801693.

Boland PA, et al. (2026) Artificial intelligence classification of rectal neoplasia by endoscopic fluorescence perfusion analysis. *Scientific reports*, 16(1), 4761.

Guo D, et al. (2026) ImmunoMatch learns and predicts cognate pairing of heavy and light immunoglobulin chains. *Nature methods*, 23(1), 106.

Lin M, et al. (2026) Large-scale proteomic profiling identifies distinct inflammatory phenotypes in acute respiratory distress syndrome: a multicentre, prospective cohort

study. The European respiratory journal, 67(2).

Yang C, et al. (2026) Development of a machine learning model for preoperative prediction of spread through air spaces in resectable??non-small cell lung cancer: A single-center retrospective study. Oncology letters, 31(2), 60.

Wu X, et al. (2026) An interpretable deep learning framework for predictive modeling of postoperative infections in ICU patients. PloS one, 21(4), e0346896.

Inabu Y, et al. (2026) Compost fermented with thermophilic Bacillaceae reduces heat stress-induced mortality in laying hens through gut microbial modulation. Animal microbiome, 8(1), 9.

Xue M, et al. (2026) HIF3A-mediated aberrant activation of TXNIP promotes Alzheimer's disease progression. Scientific reports, 16(1).

Wen L, et al. (2026) Artificial intelligence-driven precision treatment of reproductive medicine-related diseases: the optimal protocol choice for IVF-ET. Journal of advanced research, 85, 919.

Chaney C, et al. (2026) SPATIALLY PATTERNED PODOCYTE STATE TRANSITIONS COORDINATE AGING OF THE GLOMERULUS. bioRxiv : the preprint server for biology.

Shu Y, et al. (2026) Integrated network pharmacology and comprehensive bioinformatics analysis to identify the mechanisms and molecular targets of ketamine in ischemic stroke-depression comorbidity. PloS one, 21(3), e0343918.

Koh H, et al. (2026) Phylogeny-informed random forests for human microbiome studies. Microbiology spectrum, 14(5), e0345125.

Chen YW, et al. (2026) Monitoring of dual-drug combination therapy in pediatric epilepsy patients: a machine learning model for simultaneous VPA-LEV concentration-dose prediction. Journal of translational medicine, 24(1).