Resource Summary Report

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Catboost

RRID:SCR_021694 Type: Tool

Proper Citation

Catboost (RRID:SCR_021694)

Resource Information

URL: https://catboost.ai/

Proper Citation: Catboost (RRID:SCR_021694)

Description: Software package for gradient boosting on decision trees library. Used for ranking, classification, regression and other ML tasks.

Resource Type: software toolkit, software resource

Keywords: Gradient boosting, decision trees

Funding:

Availability: Free, Available for download, Freely available

Resource Name: Catboost

Resource ID: SCR_021694

Alternate URLs: https://github.com/catboost

Record Creation Time: 20220129T080356+0000

Record Last Update: 20250503T060933+0000

Ratings and Alerts

No rating or validation information has been found for Catboost.

No alerts have been found for Catboost.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 38 mentions in open access literature.

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

Jin W, et al. (2025) Bayesian-optimized deep learning for identifying essential genes of mitophagy and fostering therapies to combat drug resistance in human cancers. Journal of cellular and molecular medicine, 29(2), e18254.

Yousefmarzi F, et al. (2024) Machine learning approaches for estimating interfacial tension between oil/gas and oil/water systems: a performance analysis. Scientific reports, 14(1), 858.

Liao Y, et al. (2024) Protocol to analyze immune cells in the tumor microenvironment by transcriptome using machine learning. STAR protocols, 5(1), 102684.

Jain K, et al. (2024) Monitoring the Spatial Distribution of Cover Crops and Tillage Practices Using Machine Learning and Environmental Drivers across Eastern South Dakota. Environmental management, 74(4), 742.

Derakhshani R, et al. (2024) Artificial intelligence-driven assessment of salt caverns for underground hydrogen storage in Poland. Scientific reports, 14(1), 14246.

Park JH, et al. (2024) Factors influencing psychological distress among breast cancer survivors using machine learning techniques. Scientific reports, 14(1), 15052.

Wang H, et al. (2024) AbImmPred: An immunogenicity prediction method for therapeutic antibodies using AntiBERTy-based sequence features. PloS one, 19(2), e0296737.

Yousefzadeh R, et al. (2024) Application of power-law committee machine to combine five machine learning algorithms for enhanced oil recovery screening. Scientific reports, 14(1), 9200.

Zhao M, et al. (2024) Learning and depicting lobe-based radiomics feature for COPD Severity staging in low-dose CT images. BMC pulmonary medicine, 24(1), 294.

Moon J, et al. (2024) Advancing ensemble learning techniques for residential building electricity consumption forecasting: Insight from explainable artificial intelligence. PloS one, 19(11), e0307654.

Park H, et al. (2024) A bacterial sensor taxonomy across earth ecosystems for machine learning applications. mSystems, 9(1), e0002623.

Shamanna P, et al. (2024) Personalized nutrition in type 2 diabetes remission: application of

digital twin technology for predictive glycemic control. Frontiers in endocrinology, 15, 1485464.

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.

Sebastianelli A, et al. (2024) A reproducible ensemble machine learning approach to forecast dengue outbreaks. Scientific reports, 14(1), 3807.

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.

Berlotti M, et al. (2024) Proposal of a Machine Learning Approach for Traffic Flow Prediction. Sensors (Basel, Switzerland), 24(7).

Harun-Or-Roshid M, et al. (2024) Meta-2OM: A multi-classifier meta-model for the accurate prediction of RNA 2'-O-methylation sites in human RNA. PloS one, 19(6), e0305406.

Lee M, et al. (2024) A comprehensive multi-task deep learning approach for predicting metabolic syndrome with genetic, nutritional, and clinical data. Scientific reports, 14(1), 17851.

Dehghani MR, et al. (2024) Estimation of hydrogen solubility in aqueous solutions using machine learning techniques for hydrogen storage in deep saline aquifers. Scientific reports, 14(1), 25890.

Rathnayake N, et al. (2023) Water level prediction using soft computing techniques: A case study in the Malwathu Oya, Sri Lanka. PloS one, 18(4), e0282847.