

Resource Summary Report

Generated by SPARC SAWG on Sep 16, 2026

UCI Machine Learning Repository

RRID:SCR_026571

Type: Tool

Proper Citation

UCI Machine Learning Repository (RRID:SCR_026571)

Resource Information

URL: <https://archive.ics.uci.edu/>

Proper Citation: UCI Machine Learning Repository (RRID:SCR_026571)

Description: Collection of databases, domain theories, and data generators that are used by machine learning community for empirical analysis of machine learning algorithms. Datasets approved to be in the repository will be assigned Digital Object Identifier (DOI) if they do not already possess one. Datasets will be licensed under a Creative Commons Attribution 4.0 International license (CC BY 4.0) which allows for the sharing and adaptation of the datasets for any purpose, provided that the appropriate credit is given

Synonyms: UC Irvine Machine Learning Repository

Resource Type: data repository, service resource, storage service resource

Keywords: Digital Object Identifier, dataset, databases, domain theories, data generators, empirical analysis of machine learning algorithms,

Availability: Free, Freely available

Resource Name: UCI Machine Learning Repository

Resource ID: SCR_026571

Alternate IDs: r3d100010960

Alternate URLs: <https://www.re3data.org/repository/r3d100010960>,
<https://doi.org/10.17616/R3T91Q>

Record Creation Time: 20250314T060334+0000

Record Last Update: 20260912T200507+0000

Ratings and Alerts

No rating or validation information has been found for UCI Machine Learning Repository.

No alerts have been found for UCI Machine Learning Repository.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 25 mentions in open access literature.

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

Pilzak A, et al. (2026) Intrinsic stabilization of synaptic plasticity improves learning and robustness in artificial neural networks. Nature communications, 17(1).

Zhang X, et al. (2026) Secretary bird optimization algorithm incorporating independent thinking mechanism and sine-square step length for feature selection. Scientific reports, 16(1), 4067.

Chen Z, et al. (2026) A block matrix incremental feature selection method based on fuzzy rough minimum classification error. Scientific reports, 16(1), 3426.

Chen A, et al. (2026) TMPA-HC: a two-stage heterogeneous multi-population algorithm with cooperative search for high-dimensional feature selection. Scientific reports, 16(1).

Abedin T, et al. (2026) The impact of K selection in K-fold cross-validation on bias and variance in supervised learning models. Scientific reports, 16(1), 6084.

Gilad G, et al. (2026) An optimization framework for hierarchical clustering. Bioinformatics advances, 6(1), vbag107.

Feng S, et al. (2026) A new extended belief rule base method based on neighborhood covering reduction for diabetes diagnosis. PloS one, 21(5), e0347303.

Wang Y, et al. (2025) Grey wolf optimizer with self-repulsion strategy for feature selection. Scientific reports, 15(1), 12807.

Hanani AA, et al. (2025) Predicting thyroid cancer recurrence using supervised CatBoost: A SHAP-based explainable AI approach. Medicine, 104(22), e42667.

Ranieri A, et al. (2025) SPectral graph theory And Random walk (SPARK) toolbox for static and dynamic characterization of (di)graphs: A tutorial. PloS one, 20(6), e0319031.

Mohamed KS, et al. (2025) Batch gradient based smoothing L2/3 regularization for training pi-sigma higher-order networks. Scientific reports, 15(1), 24424.

Kumar A, et al. (2025) Advanced comparative analysis of machine learning algorithms for early Parkinson's disease detection using vocal biomarkers. Digital health, 11,

20552076251342878.

Quamer W, et al. (2025) A multimodal physiological dataset for non-invasive blood glucose estimation. *Scientific data*, 12(1), 1822.

Mohamed KS, et al. (2025) Convergence analysis and application for high-order neural networks based on gradient descent learning algorithm via smooth regularization. *Scientific reports*, 16(1), 295.

Peng X, et al. (2025) Adaptable graph region for optimizing performance in dynamic system long-term forecasting via time-aware expert. *Nature communications*, 16(1), 10213.

Ali M, et al. (2025) A hybrid bio inspired neural model based on Ropalidia Marginata behavior for multi disease classification. *Scientific reports*, 15(1), 42004.

Shi Z, et al. (2025) Attribution-based interpretable classification neural network with global and local perspectives. *Scientific reports*, 15(1), 24716.

Chetry M, et al. (2025) Early detection and analysis of accurate breast cancer for improved diagnosis using deep supervised learning for enhanced patient outcomes. *PeerJ. Computer science*, 11, e2784.

Han S, et al. (2025) SMART: Structured Missingness Analysis and Reconstruction Technique for credit scoring. *Scientific reports*, 15(1), 15111.

Koczkodaj WW, et al. (2023) Peer assessment as a method for measuring harmful internet use. *MethodsX*, 11, 102249.