Resource Summary Report

Generated by NIF on May 23, 2025

scikit-learn

RRID:SCR_002577
Type: Tool

Proper Citation

scikit-learn (RRID:SCR_002577)

Resource Information

URL: http://scikit-learn.org/

Proper Citation: scikit-learn (RRID:SCR_002577)

Description: scikit-learn: machine learning in Python

Abbreviations: scikit-learn

Synonyms: scikit-learn: machine learning in Python

Resource Type: software application, software resource

Defining Citation: PMID:24600388

Keywords: algorithm, discriminant analysis, independent component analysis, linear, macos, microsoft, modeling, magnetic resonance, nonlinear, posix/unix-like, principal component analysis, python, regression, statistical operation, windows, data mining, data analysis, classification, clustering, dimensionality reduction, model selection, preprocessing, machine learning

Funding:

Availability: BSD License

Resource Name: scikit-learn

Resource ID: SCR_002577

Alternate IDs: nlx_155979

Alternate URLs: http://www.nitrc.org/projects/scikit-learn

Record Creation Time: 20220129T080214+0000

Record Last Update: 20250522T060033+0000

Ratings and Alerts

No rating or validation information has been found for scikit-learn.

No alerts have been found for scikit-learn.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 9061 mentions in open access literature.

Listed below are recent publications. The full list is available at NIF.

Urban J, et al. (2025) Navigating the maze of mass spectra: a machine-learning guide to identifying diagnostic ions in O-glycan analysis. Analytical and bioanalytical chemistry, 417(5), 931.

Petrychenko V, et al. (2025) Structural basis for translational control by the human 48S initiation complex. Nature structural & molecular biology, 32(1), 62.

Shiri I, et al. (2025) Multi-modality artificial intelligence-based transthyretin amyloid cardiomyopathy detection in patients with severe aortic stenosis. European journal of nuclear medicine and molecular imaging, 52(2), 485.

Chaurasia AK, et al. (2025) A generalised computer vision model for improved glaucoma screening using fundus images. Eye (London, England), 39(1), 109.

Flügge T, et al. (2025) Automated tooth segmentation in magnetic resonance scans using deep learning - A pilot study. Dento maxillo facial radiology, 54(1), 12.

Xia F, et al. (2025) Understanding the neural code of stress to control anhedonia. Nature, 637(8046), 654.

Navita , et al. (2025) Gait-based Parkinson's disease diagnosis and severity classification using force sensors and machine learning. Scientific reports, 15(1), 328.

Yoshimori A, et al. (2025) Context-dependent similarity analysis of analogue series for

structure-activity relationship transfer based on a concept from natural language processing. Journal of cheminformatics, 17(1), 5.

Mettananda C, et al. (2025) Comparison of cardiovascular risk prediction models developed using machine learning based on data from a Sri Lankan cohort with World Health Organization risk charts for predicting cardiovascular risk among Sri Lankans: a cohort study. BMJ open, 15(1), e081434.

Smith HM, et al. (2025) DNA methylation-based predictors of metabolic traits in Scottish and Singaporean cohorts. American journal of human genetics, 112(1), 106.

Captier N, et al. (2025) Integration of clinical, pathological, radiological, and transcriptomic data improves prediction for first-line immunotherapy outcome in metastatic non-small cell lung cancer. Nature communications, 16(1), 614.

Zupan H, et al. (2025) Toward Grid-Based Models for Molecular Association. Journal of chemical theory and computation, 21(2), 614.

Upadrista V, et al. (2025) Blockchain-enabled digital twin system for brain stroke prediction. Brain informatics, 12(1), 1.

Xiao B, et al. (2025) Deep learning-based assessment of missense variants in the COG4 gene presented with bilateral congenital cataract. BMJ open ophthalmology, 10(1).

Amritkar K, et al. (2025) Evolutionary Dynamics of RuBisCO: Emergence of the Small Subunit and its Impact Through Time. Molecular biology and evolution, 42(1).

Ren W, et al. (2025) Coronary health index based on immunoglobulin light chains to assess coronary heart disease risk with machine learning: a diagnostic trial. Journal of translational medicine, 23(1), 22.

Suzuki T, et al. (2025) Personal identification using a cross-sectional hyperspectral image of a hand. Journal of biomedical optics, 30(2), 023514.

Wen O, et al. (2025) Spherical Manifolds Capture Drug-Induced Changes in Tumor Cell Cycle Behavior. Pacific Symposium on Biocomputing. Pacific Symposium on Biocomputing, 30, 473.

Taconne M, et al. (2025) An ECG-Based Model for Left Ventricular Hypertrophy Detection: A Machine Learning Approach. IEEE open journal of engineering in medicine and biology, 6, 219.

Wu Z, et al. (2025) FormulationBCS: A Machine Learning Platform Based on Diverse Molecular Representations for Biopharmaceutical Classification System (BCS) Class Prediction. Molecular pharmaceutics, 22(1), 330.