Resource Summary Report

Generated by NIF on Apr 23, 2025

Sklearn

RRID:SCR_019053
Type: Tool

Proper Citation

Sklearn (RRID:SCR_019053)

Resource Information

URL: https://scikit-learn.org/stable/modules/generated/sklearn.decomposition.NMF.html

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Description: Software Python package part of nonnegative matrix factorization NMF. Features various classification, regression and clustering algorithms including support vector machines, random forests, gradient boosting, k-means and DBSCAN, and is designed to interoperate with Python numerical and scientific libraries NumPy and SciPy.

Synonyms: Scikit-learn, scikits.learn

Resource Type: software resource, software toolkit

Keywords: Non negative matrix factorization, machine learning library, Python programming language

Funding:

Availability: Free, Available for download, Freely Available

Resource Name: Sklearn

Resource ID: SCR_019053

Alternate URLs: https://github.com/scikit-learn/scikit-learn, https://scikit-learn.org/stable/

License: BSD License

Record Creation Time: 20220129T080343+0000

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Ratings and Alerts

No rating or validation information has been found for Sklearn.

No alerts have been found for Sklearn.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 171 mentions in open access literature.

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

Becker E, et al. (2025) Using Inertial Measurement Units and Machine Learning to Classify Body Positions of Adults in a Hospital Bed. Sensors (Basel, Switzerland), 25(2).

Wang W, et al. (2025) DPFunc: accurately predicting protein function via deep learning with domain-guided structure information. Nature communications, 16(1), 70.

Debnath JP, et al. (2025) Identification of potential biomarkers for 2022 Mpox virus infection: a transcriptomic network analysis and machine learning approach. Scientific reports, 15(1), 2922.

Owen CM, et al. (2025) Artificial intelligence driven clustering of blood pressure profiles reveals frailty in orthostatic hypertension. Experimental physiology, 110(2), 230.

Yoshinaga K, et al. (2025) Age-disproportionate atrophy in Alzheimer's disease and Parkinson's disease spectra. Alzheimer's & dementia (Amsterdam, Netherlands), 17(1), e70048.

Ferrante M, et al. (2025) Effective Dose Estimation in Computed Tomography by Machine Learning. Tomography (Ann Arbor, Mich.), 11(1).

Tian W, et al. (2024) An electroencephalographic signature predicts craving for methamphetamine. Cell reports. Medicine, 5(1), 101347.

Goldman AL, et al. (2024) Microbial sensor variation across biogeochemical conditions in the terrestrial deep subsurface. mSystems, 9(1), e0096623.

Ritter AJ, et al. (2024) Long-read subcellular fractionation and sequencing reveals the translational fate of full-length mRNA isoforms during neuronal differentiation. Genome

research, 34(11), 2000.

Mozafari M, et al. (2024) Offensive language detection in low resource languages: A use case of Persian language. PloS one, 19(6), e0304166.

Zvirblyte J, et al. (2024) Single-cell transcriptional profiling of clear cell renal cell carcinoma reveals a tumor-associated endothelial tip cell phenotype. Communications biology, 7(1), 780.

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

Farrell JS, et al. (2024) Neural and behavioural state switching during hippocampal dentate spikes. Nature.

Case M, et al. (2024) Machine learning to predict continuous protein properties from binary cell sorting data and map unseen sequence space. Proceedings of the National Academy of Sciences of the United States of America, 121(11), e2311726121.

Huang Z, et al. (2024) Identification of KRAS mutation-associated gut microbiota in colorectal cancer and construction of predictive machine learning model. Microbiology spectrum, 12(5), e0272023.

Liao KM, et al. (2024) Machine learning approaches for practical predicting outpatient near-future AECOPD based on nationwide electronic medical records. iScience, 27(4), 109542.

Lyu D, et al. (2024) Causal Cortical and Thalamic Connections in the Human Brain. bioRxiv : the preprint server for biology.

Singh G, et al. (2024) -New frontiers in domain-inspired radiomics and radiogenomics: increasing role of molecular diagnostics in CNS tumor classification and grading following WHO CNS-5 updates. Cancer imaging : the official publication of the International Cancer Imaging Society, 24(1), 133.

Isogai M, et al. (2024) Evaluation of Klebsiella pneumoniae pathogenicity through holistic gene content analysis. Microbial genomics, 10(9).

Rajkó R, et al. (2024) Development of partial least squares regression with discriminant analysis for software bug prediction. Heliyon, 10(15), e35045.