

Resource Summary Report

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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 toolkit, software resource

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

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 257 mentions in open access literature.

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

Pražák V, et al. (2025) Molecular architecture of glideosome and nuclear F-actin in *Plasmodium falciparum*. EMBO reports, 26(8), 1984.

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

Adlimoghaddam A, et al. (2025) Sex and region-specific disruption of autophagy and mitophagy in Alzheimer's disease: linking cellular dysfunction to cognitive decline. Cell death discovery, 11(1), 204.

Li Y, et al. (2025) The Predictive Value of Serum Total IgE for Antihistamine Treatment Outcomes in Chinese Patients with Chronic Spontaneous Urticaria. Acta dermato-venereologica, 105, adv43568.

Lai C, et al. (2025) A machine learning-based screening model for the early detection of prostate cancer developed using serum microRNA data from a mixed cohort of 8,741 participants. Discover oncology, 16(1), 1333.

Hu RS, et al. (2025) Transformer-based deep learning enables improved B-cell epitope prediction in parasitic pathogens: A proof-of-concept study on *Fasciola hepatica*. PLoS neglected tropical diseases, 19(4), e0012985.

Le Dinh T, et al. (2025) Automated classification of chondroid tumor using 3D U-Net and radiomics with deep features. Scientific reports, 15(1), 20389.

Goncalves AR, et al. (2025) AI-Enabled Diagnostic Prediction within Electronic Health Records to Enhance Biosurveillance and Early Outbreak Detection. medRxiv : the preprint server for health sciences.

Dang Y, et al. (2025) Gut microbiome signatures predict 5-ASA efficacy in ulcerative colitis. iScience, 28(6), 112568.

Lim E, et al. (2025) Optimizing Suicide Risk Prediction in Korea: A Comparison of Model Performance Using Resampling Methods and Machine Learning Algorithms. Psychiatry investigation, 22(11), 1309.

Abbasi AF, et al. (2025) Multi-omics driven computational framework for cancer molecular subtype classification. Scientific reports, 15(1), 44141.

Lu F, et al. (2025) Differential engagement of thalamic nuclei orchestrates consciousness states across anesthesia, sleep, and disorders of consciousness. *Communications biology*, 8(1), 1784.

Han S, et al. (2025) Common neuroanatomical differential factors underlying heterogeneous gray matter volume variations in five common psychiatric disorders. *Communications biology*, 8(1), 238.

Roimi M, et al. (2025) The association between defecation frequency and mortality in critically ill patients with suspected sepsis in Israel. *Acute and critical care*, 40(1), 38.

Poirier J, et al. (2025) Computational protocol for modeling and analyzing synaptic dynamics using SRPlasticity. *STAR protocols*, 6(1), 103652.

Xia Y, et al. (2025) A machine learning-based model to predict intravenous immunoglobulin resistance in Kawasaki disease. *iScience*, 28(3), 112004.

Chew BH, et al. (2025) Artificial intelligence tool development: what clinicians need to know? *BMC medicine*, 23(1), 244.

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.

Abbott A, et al. (2025) External validation of a prediction model for disability and pain after lumbar disc herniation surgery: a prospective international registry-based cohort study. *Acta orthopaedica*, 96, 512.

Wu Y, et al. (2025) Identification and predictive machine learning models construction of gut microbiota associated with lymph node metastasis in colorectal cancer. *mSystems*, 10(8), e0033925.