

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 [PRECISE-TBI](#) .

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.