

Resource Summary Report

Generated by [NIF](#) on Aug 27, 2026

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

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

Record Last Update: 20260821T194154+0000

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 435 mentions in open access literature.

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

Aniekwensi E, et al. (2026) Hybrid statistical-machine learning approach for analyzing legacy and new phosphorus losses from subsurface drainage systems. *Journal of environmental quality*, 55(1), e70145.

Vamvakas A, et al. (2026) Prediction of impulse control disorders in Parkinson's disease through a longitudinal machine learning study. *NPJ Parkinson's disease*.

Hsu SL, et al. (2026) Association of imaging-defined brain age with disease severity and adverse outcomes in CADASIL. *Alzheimer's & dementia : the journal of the Alzheimer's Association*, 22(6), e71535.

Sha M, et al. (2026) Predicting the Freshness of Starch-Coated Snakehead Fish Fillets During Storage Using Hyperspectral Imaging Combined with Transfer Learning. *Foods (Basel, Switzerland)*, 15(12).

Extremiera-García MJ, et al. (2026) Machine learning integrated clinical-proteomics data identifies a 6-protein panel signature for atherosclerotic severity and enhanced patient stratification. *Molecular biomedicine*, 7(1).

Wakutsu Y, et al. (2026) Construction of a multi-label odor prediction model based on molecular structures and olfactory receptor binding profiles with a novel interpretability framework. *Analytical sciences : the international journal of the Japan Society for Analytical Chemistry*, 42(7), 543.

Tang S, et al. (2026) Joint control of precipitation and CO₂ on global long-term patterns of plant nitrogen availability. *Nature communications*, 17(1).

Taylor HP, et al. (2026) Functional hierarchy of the human neocortex across the lifespan. *Nature*, 652(8111), 955.

Ben Haberou M, et al. (2026) Deep Learning Morphometric Analysis on Protocol Biopsies Predicts Future Graft Function. *Kidney international reports*, 11(7), 106585.

Guo F, et al. (2026) Radiomics profiling combined with clinical risk factors for preoperative Lymphatic Metastasis prediction in Colorectal cancer: A multicenter study. *PloS one*, 21(1), e0340352.

Sugimoto H, et al. (2026) Use of continuous glucose monitoring to stratify individuals without diabetes. *Communications medicine*, 6(1).

Fordham SME, et al. (2026) The Evaluation of Machine Learning Models Using Matrix-Assisted Laser Desorption/Ionization Time-of-Flight Mass Spectrometry (MALDI-TOF-MS) Spectra for the Prediction of Antibiotic Resistance in *Klebsiella pneumoniae*. *MicrobiologyOpen*, 15(2), e70257.

Eckmann P, et al. (2026) Use as directed? A comparison of software tools intended to check rigor and transparency of published work. *PloS one*, 21(2), e0342225.

Wang F, et al. (2026) An EEG dataset for handwriting imagery decoding of Chinese character strokes and Pinyin single vowels. *Scientific data*, 13(1).

Yuan S, et al. (2026) Prediction of lymph node metastasis in cN0 papillary thyroid carcinoma using a random forest-based radiomics model integrating contrast-enhanced ultrasound and clinical data. *Frontiers in oncology*, 16, 1728554.

Facca M, et al. (2026) Glucose metabolism echoes long-range temporal correlations in the human brain. *Imaging neuroscience (Cambridge, Mass.)*, 4.

Pei S, et al. (2026) Multimodal feature fusion model for breast mass malignant risk stratification. *Frontiers in oncology*, 16, 1782135.

Sordyl D, et al. (2026) MODOMICS: a database of RNA modifications and related information. 2025 update and 20th anniversary. *Nucleic acids research*, 54(D1), D219.

Ahmed NM, et al. (2026) A detailed analysis of the Czernik 38 cluster and its associated tidal tail, utilizing Gaia DR3 and 2MASS. *Scientific reports*, 16(1), 6336.

Jasiński T, et al. (2026) Computer-Aided Diagnosis of Equine Temporomandibular Joint Osteoarthritis Using Machine Learning Integrating Computed Tomography Findings and Synovial Fluid Biomarkers. *Animals : an open access journal from MDPI*, 16(6).