

Resource Summary Report

Generated by SPARC SAWG on Sep 16, 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: 20260912T200256+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 [SPARC SAWG](#).

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).

Extremera-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.

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

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.

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.

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.

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