

Resource Summary Report

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NiLearn

RRID:SCR_001362

Type: Tool

Proper Citation

NiLearn (RRID:SCR_001362)

Resource Information

URL: <http://nilearn.github.io>

Proper Citation: NiLearn (RRID:SCR_001362)

Description: A software package to facilitate the use of statistical learning on NeuroImaging data. Namely NiLearn leverages the scikit-learn Python toolbox for multivariate statistics with applications such as predictive modelling, classification, decoding, or connectivity analysis.

Abbreviations: NiLearn

Synonyms: NiLearn: Machine learning for Neuro-Imaging in Python

Resource Type: data processing software, image processing software, software application, software library, software resource, software toolkit

Keywords: analyze, clinical neuroinformatics, magnetic resonance, nifti, os independent, python

Availability: Free, Freely Available

Resource Name: NiLearn

Resource ID: SCR_001362

Alternate IDs: nlx_155897

Alternate URLs: <http://www.nitrc.org/projects/nilearn>

License: BSD License

Record Creation Time: 20220129T080207+0000

Record Last Update: 20260903T235749+0000

Ratings and Alerts

No rating or validation information has been found for NiLearn.

No alerts have been found for NiLearn.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 531 mentions in open access literature.

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

Brandman T, et al. (2026) An fMRI-informed EEG model of the amygdala is associated with salience network dynamics during naturalistic emotional stimulation. *Molecular psychiatry*, 31(5), 2520.

Rezaei A, et al. (2026) The retrieval of previously learned motor memories is facilitated by the reinstatement of default mode network manifold structures. *PLoS biology*, 24(3), e3003684.

Djaballah E, et al. (2026) A Hybrid RF Coil for Whole-Brain Imaging in Non-Human Primates at 7 T. *Magnetic resonance in medicine*, 96(2), 996.

Ferreira SM, et al. (2026) Age-specific relationship between the modulation of brain dynamics in response to task demands and bimanual performance. *Aging*, 18(1), 159.

Prakash RS, et al. (2026) Feasibility of Internet-Based Mind-Body Training for Adults With Subjective Cognitive Decline: Protocol for a Randomized Controlled Trial. *JMIR research protocols*, 15, e86276.

Mistry PK, et al. (2026) Nonergodicity and Simpson's paradox in neurocognitive dynamics of cognitive control. *Nature communications*, 17(1).

Viswanathan S, et al. (2026) Longitudinal Study of Adolescent Brain Connectivity Development Using Sign-Aware Graph Theory Metrics. *Human brain mapping*, 47(8), e70549.

Lu J, et al. (2026) Consistent Brain Entropy Changes During Rumination Across Three Magnetic Resonance Imaging Scanners. *Neural plasticity*, 2026(1), e7238736.

Zahnert F, et al. (2026) No link between piriform cortex subregion resection and seizure freedom in two cohorts with temporal lobe epilepsy. *Journal of neurology*, 273(6).

Guichet C, et al. (2026) Cognitive flexibility and brain network energy in healthy aging: An allostatic perspective from the SENECA model. *Imaging neuroscience (Cambridge, Mass.)*, 4.

Shafiei G, et al. (2026) Mapping developmental patterns of intrinsic timescale. bioRxiv : the preprint server for biology.

Magnusson G, et al. (2026) How processing choices effect repeatability in BOLD-CVR imaging. Journal of cerebral blood flow and metabolism : official journal of the International Society of Cerebral Blood Flow and Metabolism, 271678X261420026.

Moser J, et al. (2026) Precision functional neuroimaging reveals individually specific auditory responses in infants. Developmental cognitive neuroscience, 77, 101644.

Ziv MS, et al. (2026) Neural responses to state curiosity in young children. Developmental cognitive neuroscience, 78, 101687.

O'Doherty C, et al. (2026) Infants have rich visual categories in ventrotemporal cortex at 2 months of age. Nature neuroscience, 29(3), 693.

Liang Q, et al. (2026) Differential Neural Dynamics in Psychomotor Retardation and Agitation of Depression. Human brain mapping, 47(2), e70453.

Ponce AF, et al. (2026) Individual Brain Charting: fifth release of high-resolution fMRI data for cognitive mapping. Scientific data, 13(1).

Adriano A, et al. (2026) Echoes of time: Organization of episodic autobiographical memories in the brain according to their remoteness. NeuroImage, 331, 121857.

Morais S, et al. (2026) Differential connectivity between core hubs underlying demanding executive functions in schizophrenia compared to autism and control adults. Frontiers in psychiatry, 17, 1757647.

Dai J, et al. (2026) A visual cortex origin of trauma memory intrusions: integrated evidence from TMS and fMRI. Psychological medicine, 56, e138.