

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>

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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: 20260905T132953+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 [Kravitz](#) .

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).

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

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

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.

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.

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

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.

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.

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

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