

# Resource Summary Report

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## NiLearn

RRID:SCR\_001362

Type: Tool

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### Proper Citation

NiLearn (RRID:SCR\_001362)

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### 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:** software toolkit, software application, data processing software, software resource, image processing software, software library

**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:** 20260801T042504+0000

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## Ratings and Alerts

No rating or validation information has been found for NiLearn.

No alerts have been found for NiLearn.

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## Usage and Citation Metrics

We found 434 mentions in open access literature.

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

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

Hansson G, et al. (2026) Motor performance and higher associative cortical networks in adolescents with neonatal hypoxic-ischaemic encephalopathy treated with therapeutic hypothermia. *Developmental medicine and child neurology*, 68(1), 99.

Hamouda E, et al. (2026) Preterm birth differentially impacts structural and functional connectivity of cortical gyri and sulci. *Developmental cognitive neuroscience*, 77, 101647.

West JT, et al. (2026) Exploring the neural underpinnings of semantic and perceptual false memory formation. *Neuropsychologia*, 221, 109332.

Heukamp NJ, et al. (2025) Beyond the chronic pain stage: default mode network perturbation depends on years lived with back pain. *Pain*, 166(1), 160.

Trutti AC, et al. (2025) Investigating working memory updating processes of the human subcortex using 7T MRI. *eLife*, 13.

Mitchell JL, et al. (2025) Visual Word Form Area demonstrates individual and task-agnostic consistency but inter-individual variability. *bioRxiv : the preprint server for biology*.

Webb L, et al. (2025) Altered striatal functional gradients in obsessive-compulsive disorder. *medRxiv : the preprint server for health sciences*.

Katayama N, et al. (2025) Dynamic neural network modulation associated with rumination in major depressive disorder: a prospective observational comparative analysis of cognitive behavioral therapy and pharmacotherapy. *Translational psychiatry*, 15(1), 267.

Liu X, et al. (2025) Episode-specific cortical functional connectome reorganization and neurobiological correlates in bipolar disorder: a cross-sectional study. *BMC medicine*, 23(1), 457.

Cai J, et al. (2025) Natural language processing models reveal neural dynamics of human conversation. *Nature communications*, 16(1), 3376.

Esposito M, et al. (2025) Flexible hippocampal representation of abstract boundaries supports memory-guided choice. *Nature communications*, 16(1), 2377.

Jouvencel A, et al. (2025) Age-related disturbances in rest-activity rhythms and integrity of the hippocampal network: An exploratory study. *Neurobiology of sleep and circadian rhythms*, 18, 100111.

Liu P, et al. (2025) The effects of intermittent theta burst stimulation (iTBS) on resting-state brain entropy (BEN). *Neurotherapeutics : the journal of the American Society for Experimental NeuroTherapeutics*, 22(3), e00556.

Luo X, et al. (2025) Coordinating multiple mental faculties during learning. *Scientific reports*, 15(1), 5319.

Jarrett C, et al. (2025) Progressive Changes Between Thalamic Nuclei and Cortical Networks Across Stimulus-Response Learning. *Human brain mapping*, 46(15), e70382.

Muratore AF, et al. (2025) Different brain regions support deliberation during food choice in disordered and healthy eating. *Research square*.

Sydnor VJ, et al. (2025) Human thalamocortical structural connectivity develops in line with a hierarchical axis of cortical plasticity. *Nature neuroscience*, 28(8), 1772.

Teng T, et al. (2025) Microbiota alterations leading to amino acid deficiency contribute to depression in children and adolescents. *Microbiome*, 13(1), 128.

Germani E, et al. (2025) HCP Multi-Pipeline: a derived dataset to investigate analytical variability in fMRI. *Scientific data*, 12(1), 940.