Resource Summary Report

Generated by FDI Lab - SciCrunch.org on May 7, 2024

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

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

Availability: Available for download

Resource Name: NiLearn

Resource ID: SCR_001362

Alternate IDs: nlx_155897

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

Ratings and Alerts

- 4 / 5 (1 votes) Rated at NITRC http://www.nitrc.org/projects/nilearn

No alerts have been found for NiLearn.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 226 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Keles U, et al. (2024) Multimodal single-neuron, intracranial EEG, and fMRI brain responses during movie watching in human patients. Scientific data, 11(1), 214.

Xie Y, et al. (2024) Low-frequency rTMS induces modifications in cortical structural connectivity - functional connectivity coupling in schizophrenia patients with auditory verbal hallucinations. Human brain mapping, 45(3), e26614.

Nitsch A, et al. (2024) Grid-like entorhinal representation of an abstract value space during prospective decision making. Nature communications, 15(1), 1198.

Poldrack RA, et al. (2024) The Past, Present, and Future of the Brain Imaging Data Structure (BIDS). ArXiv.

Ragone E, et al. (2024) Modular subgraphs in large-scale connectomes underpin spontaneous co-fluctuation events in mouse and human brains. Communications biology, 7(1), 126.

Dai P, et al. (2024) Classification of MDD using a Transformer classifier with large-scale multisite resting-state fMRI data. Human brain mapping, 45(1), e26542.

Demidenko MI, et al. (2024) A multi-sample evaluation of the measurement structure and function of the modified monetary incentive delay task in adolescents. Developmental cognitive neuroscience, 65, 101337.

Endo H, et al. (2024) Manifold alteration between major depressive disorder and healthy control subjects using dynamic mode decomposition in resting-state fMRI data. Frontiers in psychiatry, 15, 1288808.

Heukamp NJ, et al. (2024) Adolescents' pain-related ontogeny shares a neural basis with adults' chronic pain in basothalamo-cortical organization. iScience, 27(2), 108954.

Yang Y, et al. (2024) Unraveling lexical semantics in the brain: Comparing internal, external, and hybrid language models. Human brain mapping, 45(1), e26546.

Bertocci MA, et al. (2024) Neural markers of mania that distinguish inpatient adolescents with bipolar disorder from those with other psychopathology. Psychiatry research, 333, 115747.

Yang G, et al. (2024) Dorsolateral prefrontal activity supports a cognitive space organization of cognitive control. eLife, 12.

Ghane M, et al. (2024) Specific patterns of endogenous functional connectivity are associated with harm avoidance in OCD. Biological psychiatry.

Hur KH, et al. (2024) Prefrontal-Limbic Circuitry is Associated with Reward Sensitivity in Nonhuman Primates. Biological psychiatry.

Tallman CW, et al. (2024) Human brain activity and functional connectivity associated with verbal long-term memory consolidation across 1 month. Frontiers in human neuroscience, 18, 1342552.

Wu H, et al. (2023) Decoding subject's own name in the primary auditory cortex. Human brain mapping, 44(5), 1985.

Larivière S, et al. (2023) BrainStat: A toolbox for brain-wide statistics and multimodal feature associations. NeuroImage, 266, 119807.

Bahr N, et al. (2023) Measuring cognitively demanding activities in pediatric out-of-hospital cardiac arrest. Advances in simulation (London, England), 8(1), 15.

Dai J, et al. (2023) Neural similarity in nucleus accumbens during decision-making for the self and a best friend: Links to adolescents' self-reported susceptibility to peer influence and risk taking. Human brain mapping.

Yablonski M, et al. (2023) The transition from vision to language: distinct patterns of functional connectivity for sub-regions of the visual word form area. bioRxiv : the preprint server for biology.