Resource Summary Report

Generated by NIF on Apr 17, 2025

Neuroimaging in Python

RRID:SCR_013141
Type: Tool

Proper Citation

Neuroimaging in Python (RRID:SCR_013141)

Resource Information

URL: http://nipy.org

Proper Citation: Neuroimaging in Python (RRID:SCR_013141)

Description: Community site to make brain imaging research easier that aims to build software that is clearly written, clearly explained, a good fit for the underlying ideas, and a natural home for collaboration.

Abbreviations: NIPY,

Synonyms: NIPY Community

Resource Type: software development tool, software application, data or information resource, software development environment, community building portal, portal, software resource

Defining Citation: PMID:21897815

Keywords: brain, imaging, neuroimaging, analysis, python, fmri, fmri analysis, magnetic resonance

Funding: NIMH 5R01MH081909-02;
NIBIB 1R03EB008673-01

Availability: Revised BSD license

Resource Name: Neuroimaging in Python

Resource ID: SCR_013141

Alternate IDs: nlx_149365

Alternate URLs: http://www.nitrc.org/projects/nipy-community
http://www.nitrc.org/projects/nipype

Record Creation Time: 20220129T080314+0000

Record Last Update: 20250417T065425+0000

Ratings and Alerts

No rating or validation information has been found for Neuroimaging in Python.

No alerts have been found for Neuroimaging in Python.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 22 mentions in open access literature.

Listed below are recent publications. The full list is available at NIF.

Momota Y, et al. (2024) Amyloid-? prediction machine learning model using source-based morphometry across neurocognitive disorders. Scientific reports, 14(1), 7633.

Cybinski LM, et al. (2024) Intermittent theta burst stimulation over the left prefrontal cortex: no additional effect for virtual reality exposure therapy in acrophobia-a randomized trial. Scientific reports, 14(1), 29450.

Ospel JM, et al. (2024) Infarcts Due to Large Vessel Occlusions Continue to Grow Despite Near-Complete Reperfusion After Endovascular Treatment. Journal of stroke, 26(2), 260.

Hardy SJ, et al. (2023) Cognitive and neuroimaging outcomes in individuals with benign and low-grade brain tumours receiving radiotherapy: a protocol for a prospective cohort study. BMJ open, 13(2), e066458.

Miotto EC, et al. (2022) Episodic Memory, Hippocampal Volume, and Function for Classification of Mild Cognitive Impairment Patients Regarding Amyloid Pathology. Journal of Alzheimer's disease : JAD, 89(1), 181.

Messinger A, et al. (2021) A collaborative resource platform for non-human primate neuroimaging. NeuroImage, 226, 117519.

Chen X, et al. (2020) DNNBrain: A Unifying Toolbox for Mapping Deep Neural Networks and Brains. Frontiers in computational neuroscience, 14, 580632.

Polimeni JR, et al. (2018) Analysis strategies for high-resolution UHF-fMRI data. NeuroImage, 168, 296.

Savio AM, et al. (2017) Pypes: Workflows for Processing Multimodal Neuroimaging Data. Frontiers in neuroinformatics, 11, 25.

Biskamp J, et al. (2017) Organization of prefrontal network activity by respiration-related oscillations. Scientific reports, 7, 45508.

Soares JM, et al. (2016) A Hitchhiker's Guide to Functional Magnetic Resonance Imaging. Frontiers in neuroscience, 10, 515.

Bzdok D, et al. (2016) Formal Models of the Network Co-occurrence Underlying Mental Operations. PLoS computational biology, 12(6), e1004994.

Liu S, et al. (2015) Multimodal neuroimaging computing: the workflows, methods, and platforms. Brain informatics, 2(3), 181.

Wakeman DG, et al. (2015) A multi-subject, multi-modal human neuroimaging dataset. Scientific data, 2, 150001.

Pedregosa F, et al. (2015) Data-driven HRF estimation for encoding and decoding models. NeuroImage, 104, 209.

LaPlante RA, et al. (2014) The Connectome Visualization Utility: software for visualization of human brain networks. PloS one, 9(12), e113838.

Vlachos I, et al. (2013) Neural system prediction and identification challenge. Frontiers in neuroinformatics, 7, 43.

Añel JA, et al. (2013) Equivalent latitude computation using regions of interest (ROI). PloS one, 8(9), e72970.

O'Muircheartaigh J, et al. (2012) Abnormal thalamocortical structural and functional connectivity in juvenile myoclonic epilepsy. Brain : a journal of neurology, 135(Pt 12), 3635.

Daducci A, et al. (2012) The connectome mapper: an open-source processing pipeline to map connectomes with MRI. PloS one, 7(12), e48121.