

Resource Summary Report

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Neuroimaging in Python

RRID:SCR_013141

Type: Tool

Proper Citation

Neuroimaging in Python (RRID:SCR_013141)

Resource Information

URL: <http://nipy.org>

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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 environment, portal, data or information resource, software development tool, software application, community building 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: 20260813T055043+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 27 mentions in open access literature.

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

Chen M, et al. (2025) Insights into structural deviations in attention deficit hyperactivity disorder (ADHD) and comorbidities using big data-derived brain charts: a cross-sectional study. Quantitative imaging in medicine and surgery, 15(9), 8320.

Zhao S, et al. (2025) Histogram analysis based on DTI and NODDI for differentiating atypical high-grade glioma from primary central nervous system lymphoma. Frontiers in neurology, 16, 1577811.

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) Association of Radiation Dose to the Amygdala-Orbitofrontal Network with Emotion Recognition Task Performance in Patients with Low-Grade and Benign Brain Tumors. Cancers, 15(23).

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.

Chen Y, et al. (2022) Reproducing FSL's fMRI data analysis via Nipype: Relevance, challenges, and solutions. *Frontiers in neuroimaging*, 1, 953215.

Li X, et al. (2022) Project, toolkit, and database of neuroinformatics ecosystem: A summary of previous studies on "Frontiers in Neuroinformatics". *Frontiers in neuroinformatics*, 16, 902452.

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.

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

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

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