Resource Summary Report

Generated by dkNET on May 21, 2025

neurodebian

RRID:SCR_004401
Type: Tool

Proper Citation

neurodebian (RRID:SCR_004401)

Resource Information

URL: http://neuro.debian.net/

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Description: Collection based on a collaborative effort of popular neuroscience research software for the Debian operating system as well as Ubuntu and other derivatives. Popular packages include AFNI, FSL, PyMVPA and many others. It contains both unofficial or prospective packages which are not (yet) available from the main Debian archive, as well as backported or simply rebuilt packages also available elsewhere. A listing of current and planned projects is available if you want to get involved. The main goal of the project is to provide a versatile and convenient environment for neuroscientific research that is based on open-source software. To this end, the project offers a package repository that complements the main Debian (and Ubuntu) archive. NeuroDebian is not yet another Linux distribution, but rather an effort inside the Debian project itself. Software packages are fully integrated into the Debian system and from there will eventually migrate into Ubuntu as well. With NeuroDebian, installing and updating neuroscience software is no different from any other part of the operating system. Maintaining a research software environment becomes as easy as installing an editor. There is also virtual machine to test NeuroDebian on Windows or Mac OS. If you want to see your software packaged for Debian, please drop them a note.

Abbreviations: NeuroDebian

Synonyms: Debian Neuroscience Repository, neuro debian

Resource Type: data distribution software, source code, software repository, software development tool, software development environment, software resource, software application, data processing software

Defining Citation: PMID:23055966

Keywords: linux, linux distribution, virtual machine, fmri, eeg, pymvpa, python, r, debian, brain image, neuroscience, platform, afni brik, bshort, bfloat, console (text based), dicom, domain independent, freebsd, gnome, kde, linux, minc2, nifti, philips par/rec, development environment, posix/unix-like, system administrator, web environment

Funding:

Availability: GNU General Public License v3, The community can contribute to this resource

Resource Name: neurodebian

Resource ID: SCR_004401

Alternate IDs: nlx_143723

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

Record Creation Time: 20220129T080224+0000

Record Last Update: 20250521T060954+0000

Ratings and Alerts

No rating or validation information has been found for neurodebian.

No alerts have been found for neurodebian.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 36 mentions in open access literature.

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

Steiger TK, et al. (2023) Differential effects of expectancy on memory formation in young and older adults. Human brain mapping, 44(13), 4667.

Kim Y, et al. (2023) BrainSuite BIDS App: Containerized Workflows for MRI Analysis. bioRxiv : the preprint server for biology.

Manelis A, et al. (2022) The interaction between depression diagnosis and BMI is related to altered activation pattern in the right inferior frontal gyrus and anterior cingulate cortex during food anticipation. Brain and behavior, 12(9), e2695.

Häusler CO, et al. (2022) Processing of visual and non-visual naturalistic spatial information in the "parahippocampal place area". Scientific data, 9(1), 147.

Routier A, et al. (2021) Clinica: An Open-Source Software Platform for Reproducible Clinical Neuroscience Studies. Frontiers in neuroinformatics, 15, 689675.

Nastase SA, et al. (2021) The "Narratives" fMRI dataset for evaluating models of naturalistic language comprehension. Scientific data, 8(1), 250.

Pomp J, et al. (2021) Touching events predict human action segmentation in brain and behavior. NeuroImage, 243, 118534.

Cheng CP, et al. (2020) A new virtue of phantom MRI data: explaining variance in human participant data. F1000Research, 9, 1131.

Taschereau-Dumouchel V, et al. (2020) Multivoxel pattern analysis reveals dissociations between subjective fear and its physiological correlates. Molecular psychiatry, 25(10), 2342.

Vogelbacher C, et al. (2019) LAB-QA2GO: A Free, Easy-to-Use Toolbox for the Quality Assessment of Magnetic Resonance Imaging Data. Frontiers in neuroscience, 13, 688.

Kennedy DN, et al. (2019) Everything Matters: The ReproNim Perspective on Reproducible Neuroimaging. Frontiers in neuroinformatics, 13, 1.

Taschereau-Dumouchel V, et al. (2018) Towards an unconscious neural reinforcement intervention for common fears. Proceedings of the National Academy of Sciences of the United States of America, 115(13), 3470.

Kolling N, et al. (2018) Prospection, Perseverance, and Insight in Sequential Behavior. Neuron, 99(5), 1069.

Guntupalli JS, et al. (2018) A computational model of shared fine-scale structure in the human connectome. PLoS computational biology, 14(4), e1006120.

Nastase SA, et al. (2018) Neural Responses to Naturalistic Clips of Behaving Animals in Two Different Task Contexts. Frontiers in neuroscience, 12, 316.

Reeder RR, et al. (2017) Task relevance modulates the cortical representation of feature conjunctions in the target template. Scientific reports, 7(1), 4514.

Huffman DJ, et al. (2017) The influence of low-level stimulus features on the representation of contexts, items, and their mnemonic associations. NeuroImage, 155, 513.

Ghosh SS, et al. (2017) A very simple, re-executable neuroimaging publication. F1000Research, 6, 124.

Scholl J, et al. (2017) Excitation and inhibition in anterior cingulate predict use of past experiences. eLife, 6.

Guntupalli JS, et al. (2016) A Model of Representational Spaces in Human Cortex. Cerebral cortex (New York, N.Y. : 1991), 26(6), 2919.