Resource Summary Report

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<u>VoxBo</u>

RRID:SCR_002166 Type: Tool

Proper Citation

VoxBo (RRID:SCR_002166)

Resource Information

URL: http://www.nitrc.org/projects/voxbo

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Description: Software package for brain image manipulation and analysis, focusing on fMRI and lesion analysis. VoxBo can be used independently or in conjunction with other packages. It provides GLM-based statistical tools, an architecture for interoperability with other tools (they encourage users to incorporate SPM and FSL into their processing pipelines), an automation system, a system for parallel distributed computing, numerous stand-alone tools, decent wiki-based documentation, and lots more.

Abbreviations: VoxBo

Resource Type: image processing software, software resource, image analysis software, software application, data processing software

Defining Citation: PMID:22348882

Keywords: fmri, neuroimaging, brain, functional, statistical, volume, preprocessing, analysis, display, format conversion, linear, three dimensional display, workflow, lesion, analyze, c++, console (text based), dicom, image display, linux, macos, microsoft, magnetic resonance, nifti, no input/output (daemon), overlap metrics, posix/unix-like, quantification, regression, resampling, sinc function interpolation, spatial transformation, statistical operation, visualization, windows

Funding: NIDA R01DA014418; NIMH R01MH073529

Availability: Free, Available for download, Freely available

Resource Name: VoxBo

Resource ID: SCR_002166

Alternate IDs: nif-0000-00353

Alternate URLs: https://sources.debian.org/src/voxbo/, https://github.com/kimberg/voxbo

Old URLs: http://www.voxbo.org/

License: GNU GPL

Record Creation Time: 20220129T080211+0000

Record Last Update: 20250516T053627+0000

Ratings and Alerts

No rating or validation information has been found for VoxBo.

No alerts have been found for VoxBo.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 13 mentions in open access literature.

Listed below are recent publications. The full list is available at <u>NIF</u>.

Harvey DY, et al. (2019) Continuous theta burst stimulation over right pars triangularis facilitates naming abilities in chronic post-stroke aphasia by enhancing phonological access. Brain and language, 192, 25.

Göksun T, et al. (2015) Spontaneous gesture and spatial language: Evidence from focal brain injury. Brain and language, 150, 1.

Ragland JD, et al. (2015) Cognitive Control of Episodic Memory in Schizophrenia: Differential Role of Dorsolateral and Ventrolateral Prefrontal Cortex. Frontiers in human neuroscience, 9, 604.

Boylan C, et al. (2014) Multi-voxel pattern analysis of noun and verb differences in ventral temporal cortex. Brain and language, 137, 40.

Dell GS, et al. (2013) Voxel-based lesion-parameter mapping: Identifying the neural correlates of a computational model of word production. Cognition, 128(3), 380.

Turkeltaub PE, et al. (2012) The right hemisphere is not unitary in its role in aphasia recovery. Cortex; a journal devoted to the study of the nervous system and behavior, 48(9), 1179.

Thothathiri M, et al. (2012) Parametric effects of syntactic-semantic conflict in Broca's area during sentence processing. Brain and language, 120(3), 259.

Walker GM, et al. (2011) Support for anterior temporal involvement in semantic error production in aphasia: new evidence from VLSM. Brain and language, 117(3), 110.

Chrysikou EG, et al. (2011) Dissociable brain states linked to common and creative object use. Human brain mapping, 32(4), 665.

Wencil EB, et al. (2010) Size Isn't All that Matters: Noticing Differences in Size and Temporal Order. Frontiers in human neuroscience, 4.

Tark KJ, et al. (2009) Persistent neural activity in the human frontal cortex when maintaining space that is off the map. Nature neuroscience, 12(11), 1463.

Gennari SP, et al. (2007) Context-dependent interpretation of words: evidence for interactive neural processes. NeuroImage, 35(3), 1278.

Bedny M, et al. (2006) Neuroanatomically separable effects of imageability and grammatical class during single-word comprehension. Brain and language, 98(2), 127.