

Resource Summary Report

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VoxBo

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

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: 20260905T132444+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 [PRECISE-TBI](#) .

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.

G??ksun 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.