Resource Summary Report

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MarsBaR region of interest toolbox for SPM

RRID:SCR_009605 Type: Tool

Proper Citation

MarsBaR region of interest toolbox for SPM (RRID:SCR_009605)

Resource Information

URL: http://marsbar.sourceforge.net/

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Description: A toolbox for SPM which provides routines for region of interest analysis. Features include region of interest definition, combination of regions of interest with simple algebra, extraction of data for regions with and without SPM preprocessing (scaling, filtering), and statistical analyses of ROI data using the SPM statistics machinery.

Abbreviations: MarsBaR

Synonyms: MARSeille Boite A Region dInteret, MARSeille Boite a Region dInteret

Resource Type: software resource, data processing software, software toolkit, software application

Keywords: analyze, linear, matlab, magnetic resonance, nifti, os independent, regression, statistical operation, region of interest, spm, analysis

Funding:

Availability: GNU General Public License

Resource Name: MarsBaR region of interest toolbox for SPM

Resource ID: SCR_009605

Alternate IDs: nlx_155806

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

Record Creation Time: 20220129T080253+0000

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Ratings and Alerts

No rating or validation information has been found for MarsBaR region of interest toolbox for SPM.

No alerts have been found for MarsBaR region of interest toolbox for SPM.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 1242 mentions in open access literature.

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

Hur A, et al. (2025) Investigating Disembodiment-related Brain Activation by Interaction between Perspective-shifting and the Experience of Agency in Autism Spectrum Disorder: A Possible Relationship with Interoceptive Abilities. Clinical psychopharmacology and neuroscience : the official scientific journal of the Korean College of Neuropsychopharmacology, 23(1), 86.

Lim SH, et al. (2025) Prediction of Hemifacial Spasm Re-Appearing Phenomenon after Microvascular Decompression Surgery in Patients with Hemifacial Spasm Using Dynamic Susceptibility Contrast Perfusion Magnetic Resonance Imaging. Journal of Korean Neurosurgical Society, 68(1), 46.

van der Heijden AC, et al. (2024) Targeted memory reactivation to augment treatment in post-traumatic stress disorder. Current biology : CB, 34(16), 3735.

Klöbl M, et al. (2024) Gender Dysphoria and Sexual Euphoria: A Bayesian Perspective on the Influence of Gender-Affirming Hormone Therapy on Sexual Arousal. Archives of sexual behavior.

Ruppert-Junck MC, et al. (2024) Connectivity based on glucose dynamics reveals exaggerated sensorimotor network coupling on subject-level in Parkinson's disease. European journal of nuclear medicine and molecular imaging, 51(12), 3630.

Lee KM, et al. (2024) Correlation of brain tissue volume loss with inflammatory biomarkers

IL1?, P-tau, T-tau, and NLPR3 in the aging cognitively impaired population. Frontiers in aging neuroscience, 16, 1388654.

Liu X, et al. (2024) Hemispheric dominance in reading system alters contribution to face processing lateralization across development. Developmental cognitive neuroscience, 69, 101418.

Marten LE, et al. (2024) Motor performance and functional connectivity between the posterior cingulate cortex and supplementary motor cortex in bipolar and unipolar depression. European archives of psychiatry and clinical neuroscience, 274(3), 655.

Rebelos E, et al. (2024) Insulin-stimulated brain glucose uptake correlates with brain metabolites in severe obesity: A combined neuroimaging study. Journal of cerebral blood flow and metabolism : official journal of the International Society of Cerebral Blood Flow and Metabolism, 44(3), 407.

Tarrano C, et al. (2024) Association of abnormal explicit sense of agency with cerebellar impairment in myoclonus-dystonia. Brain communications, 6(2), fcae105.

Bucci M, et al. (2024) Kinetic Modeling of Brain [18-F]FDG Positron Emission Tomography Time Activity Curves with Input Function Recovery (IR) Method. Metabolites, 14(2).

Khalaf A, et al. (2024) Shared subcortical arousal systems across sensory modalities during transient modulation of attention. bioRxiv : the preprint server for biology.

Lu X, et al. (2024) Detecting biological motion signals in human and monkey superior colliculus: a subcortical-cortical pathway for biological motion perception. Nature communications, 15(1), 9606.

Lin J, et al. (2024) Structural covariance alterations reveal motor damage in periventricular leukomalacia. Brain communications, 6(6), fcae405.

Geraci F, et al. (2024) Sex dimorphism controls dysbindin-related cognitive dysfunctions in mice and humans with the contribution of COMT. Molecular psychiatry, 29(9), 2666.

Nagasaka K, et al. (2024) Brain activity changes after high/low frequency stimulation in a nonhuman primate model of central post-stroke pain. Scientific reports, 14(1), 16527.

Lim L, et al. (2024) Common neural correlates of disgust processing in childhood maltreatment and peer victimisation. BJPsych open, 10(6), e185.

Song X, et al. (2024) Neural underpinnings of a two-phase memory suppression process in the neural response to self-related and observed perspective views. International journal of clinical and health psychology : IJCHP, 24(4), 100509.

Chaudhary S, et al. (2024) Sex differences in the effects of individual anxiety state on regional responses to negative emotional scenes. Biology of sex differences, 15(1), 15.

Wannemueller A, et al. (2024) More than fear? Brain activation patterns of dental phobic patients before and after an exposure-based treatment. Journal of neural transmission

(Vienna, Austria : 1996), 131(4), 393.