Resource Summary Report

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SPM SS - fMRI functional localizers

RRID:SCR_009644
Type: Tool

Proper Citation

SPM SS - fMRI functional localizers (RRID:SCR_009644)

Resource Information

URL: http://web.mit.edu/evelina9/www/funcloc.html

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Description: Spm-toolbox that performs region of interest (ROI)-level and voxel-level between-subjects analyses of functional MRI data, restricting the analyses to those areas identified using subject-specific functional localizers. Methods: The toolbox implements ROI-level and voxel-level analyses, and it implements an automatic cross-validation procedure when the localizers are not orthogonal to the effects-of-interest. ROI-level analyses allow manually defined parcels of interest, as well as automatically-defined ones (GcSS procedure, Fedorenko et al. 2010). General linear model second-level analyses are implemented, including ReML and OLS estimation of population level effects. Hypothesis testing includes standard univariate tests as well as multivariate tests for mixed within- and between-subject designs (T, F, and Wilks' lambda statistics) This toolbox requires Matlab and SPM5/SPM8.

Abbreviations: spm_ss

Synonyms: spm_ss toolbox, SPM toolbox for subject-specific analyses

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

Keywords: analyze, linear, matlab, modeling, magnetic resonance, nifti, os independent, regression, statistical operation, win32 (ms windows), statistical parametric mapping, fmri

Funding:

Availability: MIT License, X Consortium License

Resource Name: SPM SS - fMRI functional localizers

Resource ID: SCR_009644

Alternate IDs: nlx_155955

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

Record Creation Time: 20220129T080254+0000

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Ratings and Alerts

No rating or validation information has been found for SPM SS - fMRI functional localizers.

No alerts have been found for SPM SS - fMRI functional localizers.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 5 mentions in open access literature.

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

Blank IA, et al. (2017) Domain-General Brain Regions Do Not Track Linguistic Input as Closely as Language-Selective Regions. The Journal of neuroscience : the official journal of the Society for Neuroscience, 37(41), 9999.

Amit E, et al. (2017) An asymmetrical relationship between verbal and visual thinking: Converging evidence from behavior and fMRI. NeuroImage, 152, 619.

Maldjian JA, et al. (2014) Vervet MRI atlas and label map for fully automated morphometric analyses. Neuroinformatics, 12(4), 543.

Fedorenko E, et al. (2012) Syntactic processing in the human brain: what we know, what we don't know, and a suggestion for how to proceed. Brain and language, 120(2), 187.

Fedorenko E, et al. (2012) Language-selective and domain-general regions lie side by side within Broca's area. Current biology : CB, 22(21), 2059.