

Resource Summary Report

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Poldracklab Portal

RRID:SCR_002712

Type: Tool

Proper Citation

Poldracklab Portal (RRID:SCR_002712)

Resource Information

URL: <http://www.poldracklab.org/software>

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Description: The Poldrack lab has developed software tools for fMRI data analysis (links on the site), experimental design, and informatics, in collaboration with several other groups. * pubbrain.org: Developed in collaboration with the UCLA Consortium for Neuropsychiatric Phenomics, this site is an automatic meta-analytic search aid that allows for visualizing PubMed searches based on published neuroanatomic findings. * LONI Probabilistic Atlas: Developed in collaboration with the UCLA Laboratory of Neuroimaging and Center for Cognitive Phenomics, this project provides free and open access to a probabilistic atlas of cortical structures in 40 healthy individuals, including all raw data. * fmripower.org: Software developed by Jeanette Mumford in the Poldrack lab for statistical power analysis for fMRI studies. * Automated ICA-based denoising: Toolbox developed by Jussi Tohka at the Tampere University of Technology in Finland in collaboration with our laboratory and the UCLA Laboratory of Neuroimaging. * Raw data diagnostics - An R program that reads in a 4-D data file and provides a diagnostic report. * Code to run various tasks used in the lab - all of these require MATLAB and the MATLAB Psychophysics toolbox: * - Stop signal task (for behavioral testing outside the scanner) * - File Stop signal task (for use in the scanner) * - File mixed gambles task (demo and scanning script)

Synonyms: Poldracklab.org - Software projects

Resource Type: software resource, source code, atlas, data visualization software, data processing software, data analysis software, software application, data or information resource

Keywords: fmri data analysis, experimental design, informatics, fmri design optimization tools, data simulation, roi analysis for fsl, automatic meta-analytic search aid, neuroanatomic

findings, probabilistic atlas, cortical structures, open access, raw data, statistical power analysis, fmri studies, automated ica-based denoising, synthetic datasets, wiki-based fmri data management system, scripts, tools for optimization, event-related fmri designs, data diagnostics, fsl, dti analysis package, maps of brain anatomic regions, power calculation tool, power analysis, roi (use region of interest), cognitive phenomics, neuropsychiatric phenomics

Funding:

Resource Name: Poldracklab Portal

Resource ID: SCR_002712

Alternate IDs: nif-0000-00423

Record Creation Time: 20220129T080214+0000

Record Last Update: 20250502T055339+0000

Ratings and Alerts

No rating or validation information has been found for Poldracklab Portal.

No alerts have been found for Poldracklab Portal.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 3 mentions in open access literature.

Listed below are recent publications. The full list is available at [ASWG](#).

Davis T, et al. (2014) What do differences between multi-voxel and univariate analysis mean? How subject-, voxel-, and trial-level variance impact fMRI analysis. *NeuroImage*, 97, 271.

Beevers CG, et al. (2010) Depression symptoms and cognitive control of emotion cues: a functional magnetic resonance imaging study. *Neuroscience*, 167(1), 97.

Marsolek CJ, et al. (2010) Identifying objects impairs knowledge of other objects: a relearning explanation for the neural repetition effect. *NeuroImage*, 49(2), 1919.