Resource Summary Report

Generated by NIF on May 24, 2025

GLMdenoise: a fast, automated technique for denoising task-based fMRI data

RRID:SCR_014116
Type: Tool

Proper Citation

GLMdenoise: a fast, automated technique for denoising task-based fMRI data (RRID:SCR_014116)

Resource Information

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

Proper Citation: GLMdenoise: a fast, automated technique for denoising task-based fMRI data (RRID:SCR_014116)

Description: A MATLAB toolbox for denoising task-based fMRI data. It derives noise regressors from voxels unrelated to the experimental paradigm and uses these regressors in a general linear model (GLM) analysis of the data. The technique only requires a design matrix indicating the experimental design and an fMRI dataset.

Synonyms: GLMdenoise

Resource Type: software resource, software toolkit

Keywords: matlab toolbox, software toolkit, denoise, fmri

Funding: McDonnell Center for Systems Neuroscience and Arts and Sciences at Washington University ;
NEI F32-EY022294;
NEI K99-EY022116;
NEI RO1-EY03164

Availability: Acknowledgement Requested

Resource Name: GLMdenoise: a fast, automated technique for denoising task-based fMRI data

Resource ID: SCR_014116

Alternate URLs: http://kendrickkay.net/GLMdenoise/

Record Creation Time: 20220129T080319+0000

Record Last Update: 20250523T055018+0000

Ratings and Alerts

No rating or validation information has been found for GLMdenoise: a fast, automated technique for denoising task-based fMRI data.

No alerts have been found for GLMdenoise: a fast, automated technique for denoising task-based fMRI data.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 1 mentions in open access literature.

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

Li M, et al. (2024) Can the neural representation of physical pain predict empathy for pain in others? Social cognitive and affective neuroscience, 19(1).