Resource Summary Report

Generated by <u>NIF</u> on May 23, 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 taskbased 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 <u>NIF</u>.

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).