Artifact Detection Tools

RRID:SCR_005994
Type: Tool

Proper Citation

Artifact Detection Tools (RRID:SCR_005994)

Resource Information

URL: http://web.mit.edu/swg/software.htm

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Description: Toolbox for post-processing fMRI data. Includes software for comprehensive analysis of sources of artifacts in timeseries data including spiking and motion. Most compatible with SPM processing, but adaptable for FSL as well. * Operating System: MacOS, Windows, Linux * Programming Language: MATLAB * Supported Data Format: ANALYZE

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

Keywords: artifact removal, quality metrics, registration, motion analysis, neuroimaging, fmri, spike, motion, artifact, timeseries, matlab

Parent Organization: Massachusetts Institute of Technology; Massachusetts; USA

Related resources: RapidArt

Availability: Free, Available for download

Website Status: Last checked up

Abbreviations: ART

Resource Name: Artifact Detection Tools

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Ratings and Alerts

- 4.5 / 5 (5 votes) Rated at NITRC http://www.nitrc.org/projects/artifact_detect

No alerts have been found for Artifact Detection Tools.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 106 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.


Joo YH, et al. (2021) Functional Analysis of Brain Imaging Suggests Changes in the Availability of mGluR5 and Altered Connectivity in the Cerebral Cortex of Long-Term Abstaining Males with Alcohol Dependence: A Preliminary Study. Life (Basel, Switzerland), 11(6).


Kagerer SM, et al. (2020) APOE4 moderates effects of cortical iron on synchronized default
mode network activity in cognitively healthy old-aged adults. Alzheimer’s & dementia (Amsterdam, Netherlands), 12(1), e12002.


