SOCK
RRID:SCR_002544
Type: Tool

Proper Citation

SOCK (RRID:SCR_002544)

Resource Information

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

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Description: A software toolbox that can automatically identify many of the artifact components that are often present in independent component analysis (ICA) of functional MRI (fMRI). The method: * Does not require temporal information about the fMRI paradigm. * Does not require the user to train the algorithm. * Requires only the EPI images (additional acquisition of anatomical images is not required). * Is able to identify a high proportion of artifact-related ICs without removing components that are likely to be of neuronal origin. * Can be applied to resting-state fMRI. * Is automated, requiring minimal or no human intervention.

Abbreviations: SOCK

Synonyms: Spatially Organized Component Klassifikator

Resource Type: software resource, data processing software, software application

Defining Citation: PMID:23847511

Keywords: matlab, magnetic resonance, independent component analysis, fmri, artifact, automated classification, automatic, independent component labeling, resting-state fmri

Funding Agency: National Health and MRC of Australia, National Health and MRC of Australia, National Health and MRC of Australia, National Health and MRC of Australia, Austin Hospital Medical Research Foundation, State Government of Victoria Australia, Operational Infrastructure Support Program
**Availability:** GNU General Public License

**Resource Name:** SOCK

**Resource ID:** SCR_002544

**Alternate IDs:** nlx_155951

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**Ratings and Alerts**

No rating or validation information has been found for SOCK.

No alerts have been found for SOCK.

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**Data and Source Information**

**Source:** [SciCrunch Registry](SciCrunch.org)

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**Usage and Citation Metrics**

We found 1 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [FDI Lab - SciCrunch.org](FDI Lab - SciCrunch.org).