

# Resource Summary Report

Generated by [kravitz2](#) on Jul 31, 2026

## fMRI Classification in R

RRID:SCR\_009519

Type: Tool

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### Proper Citation

fMRI Classification in R (RRID:SCR\_009519)

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### Resource Information

**URL:** <http://www.nitrc.org/projects/fmriclassify/>

**Proper Citation:** fMRI Classification in R (RRID:SCR\_009519)

**Description:** They demonstrate and provide R code that can classify between groups of fMRI scans based on functional network connectivity differences, requiring only 4 lines of code to be altered. In addition, they include a detailed article explaining the methods behind and motivations of this tool. This code can also be altered to perform connectivity analysis and classification using ROI based methods by reading in distance arrays previously created. They run Independent component analysis (ICA) on fMRI data to establish functional networks, measure the functional connectivity between these networks using the temporal cross-correlations between independent component to create a distance matrix and indicating the networking. Connectivity properties are used as a feature matrix for an SVM classifier. Collectively, this project provides and explains both methods and code to perform functional network connectivity and fMRI SVM classification.

**Abbreviations:** fMRI Classification in R

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

**Keywords:** magnetic resonance, connectivity, fmri, independent component analysis, functional network, classification

**Availability:** GNU General Public License

**Resource Name:** fMRI Classification in R

**Resource ID:** SCR\_009519

**Alternate IDs:** nlx\_155681

**Record Creation Time:** 20220129T080253+0000

**Record Last Update:** 20260731T042823+0000

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## Ratings and Alerts

No rating or validation information has been found for fMRI Classification in R.

No alerts have been found for fMRI Classification in R.

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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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 [kravitz2](#) .

Anderson A, et al. (2013) Decreased small-world functional network connectivity and clustering across resting state networks in schizophrenia: an fMRI classification tutorial. Frontiers in human neuroscience, 7, 520.