

Resource Summary Report

Generated by [Kravitz](#) on Sep 10, 2026

[braincog](#)

RRID:SCR_015871

Type: Tool

Proper Citation

braincog (RRID:SCR_015871)

Resource Information

URL: <https://github.com/ChristofSeiler/braincog>

Proper Citation: braincog (RRID:SCR_015871)

Description: Software package to elucidate complex interactions between subsets of neuroanatomical features and subsets of cognitive features. braincog specializes in differential correlation analysis.

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

Defining Citation: [DOI:10.1007/s12021-017-9351-z](https://doi.org/10.1007/s12021-017-9351-z)

Keywords: r package, r, differential analysis, neuroanatomy, cognition

Funding: France-Stanford Center for Interdisciplinary Studies ;
Swiss National Science Foundation

Availability: Free, Available for download

Resource Name: braincog

Resource ID: SCR_015871

Record Creation Time: 20220129T080327+0000

Record Last Update: 20260905T132800+0000

Ratings and Alerts

No rating or validation information has been found for braincog.

No alerts have been found for braincog.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 3 mentions in open access literature.

Listed below are recent publications. The full list is available at [Kravitz](#) .

Pan W, et al. (2024) Emergence of brain-inspired small-world spiking neural network through neuroevolution. iScience, 27(2), 108845.

Zeng Y, et al. (2023) BrainCog: A spiking neural network based, brain-inspired cognitive intelligence engine for brain-inspired AI and brain simulation. Patterns (New York, N.Y.), 4(8), 100789.

Seiler C, et al. (2018) Multi-Table Differential Correlation Analysis of Neuroanatomical and Cognitive Interactions in Turner Syndrome. Neuroinformatics, 16(1), 81.