

# Resource Summary Report

Generated by [dkNET](#) on Aug 24, 2026

## [braincog](#)

RRID:SCR\_015871

Type: Tool

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### Proper Citation

braincog (RRID:SCR\_015871)

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### 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:** 20260821T194059+0000

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### Ratings and Alerts

No rating or validation information has been found for braincog.

No alerts have been found for braincog.

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## Data and Source Information

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

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## Usage and Citation Metrics

We found 3 mentions in open access literature.

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

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.