Resource Summary Report

Generated by NIF on May 20, 2025

I/OWA

RRID:SCR_000858
Type: Tool

Proper Citation

I/OWA (RRID:SCR_000858)

Resource Information

URL: http://www.nitrc.org/projects/iowa3/

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Description: Software for real-time parametric statistical analysis of functional MRI (fMRI) data. The system that combines a general architecture for sampling and time-stamping relevant information channels in fMRI (image acquisition, stimulation, subject responses, cardiac and respiratory monitors, etc.) and an efficient approach to manipulating these data, featuring incremental subsecond multiple linear regression. The advantages of the system are the simplification of event timing and efficient and unified data formatting. Substantial parametric analysis can be performed and displayed in real-time. Immediate (replay) and delayed off-line analysis can also be performed with the same interface. The system provides a time-accounting infrastructure that readily supports standard and innovative approaches to fMRI.

Abbreviations: I/OWA

Synonyms: Input/Output time-aWare Architecture, Input / Output time aWare Architecture, I/OWA 3

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

Defining Citation: PMID:11180437

Keywords: fmri, real-time, multiple linear regression, brain mapping

Funding:

Availability: BSD License

Resource Name: I/OWA

Resource ID: SCR_000858

Alternate IDs: nlx_155643

Record Creation Time: 20220129T080204+0000

Record Last Update: 20250519T204451+0000

Ratings and Alerts

No rating or validation information has been found for I/OWA.

No alerts have been found for I/OWA.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We have not found any literature mentions for this resource.