Resource Summary Report

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NEMO Analysis Toolkit

RRID:SCR_013624
Type: Tool

Proper Citation

NEMO Analysis Toolkit (RRID:SCR_013624)

Resource Information

URL: http://nemo.nic.uoregon.edu/wiki/NEMO_Analysis_Toolkit

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Description: THIS RESOURCE IS NO LONGER IN SERVICE. NIH tombstone webpage lists Project Period : 2009 - 2013. The NEMO ERP Analysis Toolkit includes tools for EEG/ERP and MEG data decomposition, and ontology-based mark-up, annotation, and labeling of patterns in EEG and MEG data. These tools have been implemented in MATLAB by Robert Frank, a mathematician and data analyst for NEMO. The current NEMO analysis pipeline has been designed with the aim to support cross-lab, cross-experiment meta-analysis of EEG and MEG data. The current proposed processing pipeline consists of the following steps: * Step 1: Decomposing ERP data (continuous data are transformed into discrete patterns for analysis) o PCA/ ICA/Microstate * Step 2: Marking up the analysis results o Each pattern is annotated with labels that relate pattern attributes to NEMO ontology concepts * Step 3: Clustering the observed patterns within and across experimental groups * Step 4: Labeling the cross-experiment clusters Each item in the above list is a step/phase in the processing pipeline and is associated with a set of matlab scripts in our NEMO ERP Analysis Toolkit, which is implemented by a collection of MATLAB scripts.

Synonyms: NEMO ERP Analysis Toolkit

Resource Type: software resource, software toolkit

Funding:

Availability: THIS RESOURCE IS NO LONGER IN SERVICE

Resource Name: NEMO Analysis Toolkit

Resource ID: SCR_013624

Alternate IDs: nif-0000-32929

Record Creation Time: 20220129T080317+0000

Record Last Update: 20250519T204950+0000

Ratings and Alerts

No rating or validation information has been found for NEMO Analysis Toolkit.

No alerts have been found for NEMO Analysis Toolkit.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We have not found any literature mentions for this resource.