Resource Summary Report

Generated by NIF on May 11, 2025

Measure Projection Toolbox

RRID:SCR_002429

Type: Tool

Proper Citation

Measure Projection Toolbox (RRID:SCR_002429)

Resource Information

URL: http://sccn.ucsd.edu/wiki/MPT

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Description: This toolbox is an EEGLAB plugin for performing Measure Projection Analysis. Measure Projection Analysis (MPA) is a novel probabilistic multi-subject inference method that overcomes EEG Independent Component (IC) clustering issues by abandoning the notion of distinct IC clusters. Instead, it searches voxel by voxel for brain regions having event-related IC process dynamics that exhibit statistically significant consistency across subjects and/or sessions as quantified by the values of various EEG measures. Local-mean EEG measure values are then assigned to all such locations based on a probabilistic model of IC localization error and inter-subject anatomical and functional differences.

Abbreviations: MPT

Synonyms: Measure Projection Toolbox (MPT)

Resource Type: software toolkit, software resource

Keywords: reusable library, eeg, meg, electrocorticography, matlab, statistical operation, surrogate data analysis, visualization, measure projection analysis

Funding:

Availability: Open unspecified license

Resource Name: Measure Projection Toolbox

Resource ID: SCR_002429

Alternate IDs: nlx_155809

Alternate URLs: http://www.nitrc.org/projects/measure_project

Record Creation Time: 20220129T080213+0000

Record Last Update: 20250508T064749+0000

Ratings and Alerts

No rating or validation information has been found for Measure Projection Toolbox.

No alerts have been found for Measure Projection Toolbox.

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 <u>NIF</u>.

Burgos PI, et al. (2021) Behavioral and ERP Correlates of Long-Term Physical and Mental Training on a Demanding Switch Task. Frontiers in psychology, 12, 569025.

Touryan J, et al. (2017) Isolating Discriminant Neural Activity in the Presence of Eye Movements and Concurrent Task Demands. Frontiers in human neuroscience, 11, 357.

Bogost MD, et al. (2016) Electrocortical Sources Related to Whole-Body Surface Translations during a Single- and Dual-Task Paradigm. Frontiers in human neuroscience, 10, 524.