

Resource Summary Report

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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 resource, software toolkit

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

Availability: Free, Available for download, Freely available

Resource Name: Measure Projection Toolbox

Resource ID: SCR_002429

Alternate IDs: nlx_155809

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

License: Open unspecified license

Record Creation Time: 20220129T080213+0000

Record Last Update: 20260912T200228+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 [SPARC SAWG](#) .

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.