

# Resource Summary Report

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## Mass Univariate ERP Toolbox

RRID:SCR\_016108

Type: Tool

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### Proper Citation

Mass Univariate ERP Toolbox (RRID:SCR\_016108)

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### Resource Information

**URL:** [https://github.com/dmgroppe/Mass\\_Univariate\\_ERP\\_Toolbox](https://github.com/dmgroppe/Mass_Univariate_ERP_Toolbox)

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**Description:** Software toolkit of Matlab functions for analyzing and visualizing large numbers of t-tests performed on event-related potential data. The toolbox supports within-subject and between-subject t-tests with false discovery rate controls and control of the family-wise error rate via permutation tests.

**Resource Type:** data analysis software, data processing software, software application, data visualization software, software resource

**Defining Citation:** [PMID:21895683](#)

**Keywords:** matlab, analysis, t test, statistic, erp, event related potential, visualization, neuroimaging, erf, magnetic, resonance, imaging

**Funding:** NICHD HD22614;  
NIA AG08313

**Availability:** Free, Available for download

**Resource Name:** Mass Univariate ERP Toolbox

**Resource ID:** SCR\_016108

**Alternate URLs:** [https://openwetware.org/wiki/Mass\\_Univariate\\_ERP\\_Toolbox](https://openwetware.org/wiki/Mass_Univariate_ERP_Toolbox)

**License:** BSD 3-Clause "New" or "Revised" License

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**Record Last Update:** 20260810T040651+0000

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### Ratings and Alerts

No rating or validation information has been found for Mass Univariate ERP Toolbox.

No alerts have been found for Mass Univariate ERP Toolbox.

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## Data and Source Information

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

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## Usage and Citation Metrics

We found 6 mentions in open access literature.

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

Yuan T, et al. (2025) Pupillometry: A Simple and Automatic Way to Explore Implicit Cognitive Processing. Bio-protocol, 15(7), e5265.

González-López M, et al. (2025) Involuntary Attention in Healthy Older Adults at Electroencephalographic Risk of Cognitive Decline: An ERP Study. Brain and behavior, 15(10), e70970.

Kronemer SI, et al. (2024) Cross-species real-time detection of trends in pupil size fluctuation. Behavior research methods, 57(1), 9.

Kronemer SI, et al. (2024) Cross-species real time detection of trends in pupil size fluctuation. bioRxiv : the preprint server for biology.

Qiu Z, et al. (2022) The Effects of Spatial Attention Focus and Visual Awareness on the Processing of Fearful Faces: An ERP Study. Brain sciences, 12(7).

Mégevand P, et al. (2020) Crossmodal Phase Reset and Evoked Responses Provide Complementary Mechanisms for the Influence of Visual Speech in Auditory Cortex. The Journal of neuroscience : the official journal of the Society for Neuroscience, 40(44), 8530.