

Resource Summary Report

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MVPA Light

RRID:SCR_022173

Type: Tool

Proper Citation

MVPA Light (RRID:SCR_022173)

Resource Information

URL: <https://github.com/treder/MVPA-Light>

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Description: Software Matlab based MVPA toolbox for EEG and MEG analyses. Classification and regression toolbox for multi dimensional data. Performs cross validation, hyperparameter tuning, and nested preprocessing. Computes various classification and regression metrics and establishes their statistical significance.

Synonyms: MVPA-Light

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

Defining Citation: [PMID:32581662](#)

Keywords: multivariate pattern analysis, multi dimensional data, EEG analyses, MEG analyses, classification and regression,

Availability: Free, Available for download, Freely available

Resource Name: MVPA Light

Resource ID: SCR_022173

License: MIT License

Record Creation Time: 20220421T050139+0000

Record Last Update: 20260821T194213+0000

Ratings and Alerts

No rating or validation information has been found for MVPA Light.

No alerts have been found for MVPA Light.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 8 mentions in open access literature.

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

Fulvio JM, et al. (2026) Effects of TMS on the Decoding and Electrophysiology of Priority in Working Memory. eNeuro, 13(4).

Bähner F, et al. (2025) Abstract rule learning promotes cognitive flexibility in complex environments across species. Nature communications, 16(1), 5396.

Reichert C, et al. (2024) A toolbox for decoding BCI commands based on event-related potentials. Frontiers in human neuroscience, 18, 1358809.

Lifanov-Carr J, et al. (2024) Reconstructing Spatiotemporal Trajectories of Visual Object Memories in the Human Brain. eNeuro, 11(9).

Höhn C, et al. (2024) Spectral Slope and Lempel-Ziv Complexity as Robust Markers of Brain States during Sleep and Wakefulness. eNeuro, 11(3).

Reisinger L, et al. (2024) Aberrant auditory prediction patterns robustly characterize tinnitus. eLife, 13.

Vishne G, et al. (2023) Distinct ventral stream and prefrontal cortex representational dynamics during sustained conscious visual perception. Cell reports, 42(7), 112752.

Takács Á, et al. (2022) Protocol to decode representations from EEG data with intermixed signals using temporal signal decomposition and multivariate pattern-analysis. STAR protocols, 3(2), 101399.