

# Resource Summary Report

Generated by SPARC SAWG on Jul 29, 2026

## MVPA Light

RRID:SCR\_022173

Type: Tool

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### Proper Citation

MVPA Light (RRID:SCR\_022173)

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### Resource Information

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

**Proper Citation:** MVPA Light (RRID:SCR\_022173)

**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:** software application, data analysis software, software resource, data processing software, software toolkit

**Defining Citation:** [PMID:32581662](https://pubmed.ncbi.nlm.nih.gov/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:** 20260729T044526+0000

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### Ratings and Alerts

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

No alerts have been found for MVPA Light.

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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 [SPARC SAWG](#) .

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

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

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).

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.