

Resource Summary Report

Generated by [Kravitz](#) on Sep 10, 2026

MSM

RRID:SCR_015500

Type: Tool

Proper Citation

MSM (RRID:SCR_015500)

Resource Information

URL: <https://cran.r-project.org/web/packages/msm/index.html>

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Description: Source code for fitting continuous-time Markov and hidden Markov multi-state models to longitudinal data. It was originally designed for processes observed at arbitrary times in continuous time but some other observation schemes are supported. Both Markov transition rates and the hidden Markov output process can be modelled in terms of covariates, which may be constant or piecewise-constant in time.

Synonyms: Multi-State Markov and Hidden Markov Models in Continuous Time (MSM), Multi-State Markov and Hidden Markov Models in Continuous Time

Resource Type: software resource, source code

Defining Citation: [DOI:10.18637/jss.v038.i08](https://doi.org/10.18637/jss.v038.i08)

Keywords: markov, continuous time markov, hidden markov multi state model

Availability: Available for download

Resource Name: MSM

Resource ID: SCR_015500

Alternate URLs: <https://www.jstatsoft.org/article/view/v038i08>

Record Creation Time: 20220129T080326+0000

Record Last Update: 20260905T133408+0000

Ratings and Alerts

No rating or validation information has been found for MSM.

No alerts have been found for MSM.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 1 mentions in open access literature.

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

Lees JA, et al. (2017) Genome-wide identification of lineage and locus specific variation associated with pneumococcal carriage duration. eLife, 6.