

Resource Summary Report

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[AICcmodavg](#)

RRID:SCR_023299

Type: Tool

Proper Citation

AICcmodavg (RRID:SCR_023299)

Resource Information

URL: <https://CRAN.R-project.org/package=AICcmodavg>

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Description: Software R package to implement model selection and multimodel inference based on Akaike's information criterion (AIC) and the second-order AIC (AICc), as well as their quasi-likelihood counterparts (QAIC, QAICc) from various model object classes. Package implements classic model averaging for given parameter of interest or predicted values, as well as shrinkage version of model averaging parameter estimates or effect sizes. Package includes diagnostics and goodness-of-fit statistics for certain model types including those of 'unmarkedFit' classes estimating demographic parameters after accounting for imperfect detection probabilities.

Synonyms: Akaike's Information Criterion and the second-order AIC model selection and multimodel inference based on (Q)AIC(c)

Resource Type: software resource, software toolkit

Keywords: implement model selection, multimodel inference, Akaike's information criterion, second-order AIC, quasi-likelihood counterparts, various model object classes

Availability: Free, Available for download, Freely Available

Resource Name: AICcmodavg

Resource ID: SCR_023299

License: GPL v3

Record Creation Time: 20230224T050205+0000

Record Last Update: 20260905T133314+0000

Ratings and Alerts

No rating or validation information has been found for AICcmodavg.

No alerts have been found for AICcmodavg.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 6 mentions in open access literature.

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

Ochoa CB, et al. (2026) Neural and behavioral responses to reproductive signals in male chorus frogs. *The Journal of experimental biology*, 229(8).

Yang C, et al. (2025) The distinct functions of working memory and intelligence in model-based and model-free reinforcement learning. *NPJ science of learning*, 10(1), 72.

Drerup C, et al. (2025) Visual contrast from background features and dynamic illumination contributes to three-dimensional camouflage in cuttlefish. *The Journal of experimental biology*, 228(16).

Stephens RE, et al. (2025) Birds, Bats or Climate? Eucalypt Floral Traits Reflect Pollination Over Abiotic Environment. *Ecology and evolution*, 15(6), e71449.

Papantoniou D, et al. (2024) Hypoalbuminemia, but not derived neutrophil to lymphocyte ratio (dNLR), predicts overall survival in neuroendocrine tumours undergoing peptide receptor radionuclide therapy: A retrospective, cohort study of 557 patients. *Journal of neuroendocrinology*, e13379.

Jerem P, et al. (2023) It's cool to be stressed: body surface temperatures track sympathetic nervous system activation during acute stress. *The Journal of experimental biology*, 226(20).