

Resource Summary Report

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Regression Modeling Strategies

RRID:SCR_023242

Type: Tool

Proper Citation

Regression Modeling Strategies (RRID:SCR_023242)

Resource Information

URL: <https://cran.r-project.org/web/packages/rms/>

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Description: Software R package as collection of functions that assist with streamline modeling. Works with binary or ordinal regression models, Cox regression, accelerated failure time models, ordinary linear models, Buckley-James model, generalized least squares for serially or spatially correlated observations, generalized linear models, and quantile regression.

Abbreviations: rms

Resource Type: software resource, software toolkit

Keywords: streamline modeling, regression models, regression, generalized linear models

Availability: Free, Available for download, Freely available

Resource Name: Regression Modeling Strategies

Resource ID: SCR_023242

Alternate URLs: <https://github.com/harrelfe/rms>, <https://cran.r-project.org/web/packages/rms/rms.pdf>

License: GPL v3

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Ratings and Alerts

No rating or validation information has been found for Regression Modeling Strategies.

No alerts have been found for Regression Modeling Strategies.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 41 mentions in open access literature.

Listed below are recent publications. The full list is available at [T1D](#).

Niu L, et al. (2026) Therapeutic targets for diabetic nephropathy identified by druggable genome mendelian randomization: the role of the gut microbiota-metabolite axis. *Frontiers in endocrinology*, 17, 1817400.

Lu ZX, et al. (2026) Data-driven glycolipid network phenotypes reveal a graded risk spectrum for cardiometabolic multimorbidity: a prospective study in middle-aged and older Chinese adults. *Lipids in health and disease*, 25(1).

Chen K, et al. (2026) Liquid-liquid phase separation of PHLDB2 promotes oral squamous cell carcinoma metastasis through regulating epithelial mesenchymal transition and PIK3CA expression. *Molecular medicine reports*, 33(1).

Wu Z, et al. (2026) HLA-DPA1 as a diagnostic biomarker differentiating early- and late-onset preeclampsia. *Scientific reports*, 16(1).

Gao A, et al. (2026) Construction of a prognostic risk model based on colorectal cancer-specific ferroptosis genes and preliminary validation of FGFR4. *Translational cancer research*, 15(4), 265.

Ikegami M, et al. (2026) Germline Pathogenic Variant Prediction Model for Tumor-Only Sequencing Based on Japanese Clinicogenomic Database. *Clinical cancer research : an official journal of the American Association for Cancer Research*, 32(4), 770.

Long Y, et al. (2026) Early-life tobacco exposure, genetic susceptibility and incident colorectal cancer risk in UK biobank: A prospective cohort analysis. *Cancer epidemiology*, 100, 102985.

Funk AM, et al. (2026) A Urinary Three-Metabolite Signature Enables Noninvasive Identification of Patients with High-Risk Ovarian Cancer. *Clinical cancer research : an official journal of the American Association for Cancer Research*, 32(14), 2968.

Zhang Y, et al. (2025) The role of Life's Crucial 9 in cardiovascular disease incidence and dynamic transitions to dementia. *Communications medicine*, 5(1), 223.

Tang K, et al. (2025) Construction of a prognostic model and identification of key genes in liver hepatocellular carcinoma based on multi-omics data. *Scientific reports*, 15(1), 13393.

Jiang X, et al. (2025) Integrating single-cell RNA sequencing and spatial transcriptomics reveals the therapeutic effect of nitazoxanide in head and neck squamous cell carcinoma. *Discover oncology*, 16(1), 1509.

Dong YY, et al. (2025) Characteristics and predictive model for diffuse large B-cell lymphoma with early chemoimmunotherapy failure. *Frontiers in immunology*, 16, 1553850.

Li X, et al. (2025) Integrated analysis of single-cell and bulk transcriptomics reveals the prognostic value and underlying mechanisms of crotonylation in ovarian cancer. *Frontiers in immunology*, 16, 1596080.

Li JW, et al. (2025) Enhancing malignant transformation predictions in oral potentially malignant disorders: A novel machine learning framework using real-world data. *iScience*, 28(3), 112062.

Lu X, et al. (2025) A Prognostic Nomogram Based on an Immunogenic Cell Death and Endoplasmic Reticulum Stress-Related Gene Signature for Ovarian Cancer. *International journal of women's health*, 17, 4891.

Chen X, et al. (2025) Cervical cancer molecular subtype identification and prognosis classification by a metabolism-related gene expression. *Translational cancer research*, 14(10), 6207.

Lu R, et al. (2025) DDR1 as a key prognostic biomarker in non-small cell lung cancer: identification, validation, and potential therapeutic implications. *Frontiers in immunology*, 16, 1690829.

Sun Q, et al. (2025) Impact of awake prone positioning duration on intubation or mortality in COVID-19 patients with acute respiratory failure: secondary analysis of a randomized clinical trial. *Annals of intensive care*, 15(1), 84.

Luo Z, et al. (2025) A new Tec family-based clinical model predicts survival in differentiated thyroid cancer patients via machine learning. *Thyroid research*, 18(1), 18.

Guan J, et al. (2025) Predictive model for carbapenem-resistant *Klebsiella pneumoniae* bloodstream infection based on a nomogram: a retrospective study. *BMC research notes*, 18(1), 265.