

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/>

Proper Citation: Regression Modeling Strategies (RRID:SCR_023242)

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 toolkit, software resource

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 17 mentions in open access literature.

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

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).

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.

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

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.

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.

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.

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.

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.

Sill M, et al. (2025) Advancing CNS tumor diagnostics with expanded DNA methylation-based classification. *Cancer cell*.

Wang Y, et al. (2024) Linking preoperative and early intensive care unit data for prolonged intubation prediction. *Frontiers in cardiovascular medicine*, 11, 1342586.

Shen D, et al. (2024) Comprehensive analysis of mitochondria-related genes indicates that PPP2R2B is a novel biomarker and promotes the progression of bladder cancer via Wnt signaling pathway. *Biology direct*, 19(1), 17.

Bao N, et al. (2024) A scoring model based on bacterial lipopolysaccharide-related genes to predict prognosis in NSCLC. *Frontiers in genetics*, 15, 1408000.

Zhang G, et al. (2023) Atherosclerotic plaque vulnerability quantification system for clinical and biological interpretability. *iScience*, 26(9), 107587.

Zhang D, et al. (2023) Prevalence of high blood pressure and its associated factors among students in Shenyang, China: A cross-sectional study. *Medicine*, 102(42), e35536.

Zhao S, et al. (2023) Integrated analysis of bulk RNA-seq and single-cell RNA-seq reveals the function of pyrocytosis in the pathogenesis of abdominal aortic aneurysm. *Aging*, 15(24), 15287.