

Resource Summary Report

Generated by SPARC SAWG on Jul 28, 2026

caret

RRID:SCR_021138

Type: Tool

Proper Citation

caret (RRID:SCR_021138)

Resource Information

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

Proper Citation: caret (RRID:SCR_021138)

Description: Software R package provides misc functions for training and plotting classification and regression models. Contains tools for data splitting, pre-processing, feature selection, model tuning using resampling, and variable importance estimation, as well as other functionality.

Synonyms: Classification And REgression Training

Resource Type: software resource, software toolkit

Keywords: Plotting classification, regression models, data splitting, pre processing, feature selection, model tuning using resampling, estimation

Availability: Free, Available for download, Freely available

Resource Name: caret

Resource ID: SCR_021138

Alternate URLs: <https://github.com/topepo/caret/>

License: GPL-3

Record Creation Time: 20220129T080354+0000

Record Last Update: 20260725T191308+0000

Ratings and Alerts

No rating or validation information has been found for caret.

No alerts have been found for caret.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 72 mentions in open access literature.

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

Lazare S, et al. (2026) Postoperative Lymph Is a Proximal Source of ctDNA for Detection of Recurrence in HPV-Independent Head and Neck Cancer. *Clinical cancer research : an official journal of the American Association for Cancer Research*, 32(1), 135.

Suda K, et al. (2025) Low OLFM1 and BMP6 Expression Predicts Recurrence in Early-Stage Nonsquamous NSCLC with Pure Solid Tumor Appearance. *Cancer research communications*, 5(12), 2186.

Li H, et al. (2025) Identification of coagulation-related hub genes in ischemic stroke based on bioinformatics integration analysis and investigation of their immune regulatory mechanisms. *European journal of medical research*, 30(1), 1256.

Tognetti M, et al. (2025) Serum proteomics reveals survival-associated biomarkers in pancreatic cancer patients treated with chemoimmunotherapy. *iScience*, 28(4), 112230.

Idkowiak J, et al. (2025) Best practices and tools in R and Python for statistical processing and visualization of lipidomics and metabolomics data. *Nature communications*, 16(1), 8714.

Gammon M, et al. (2025) An application of finite element analysis predicts unique temperatures and fates for flatback sea turtle embryos. *The Journal of experimental biology*, 228(23).

Lu Y, et al. (2025) Intrahepatic Microbial Heterogeneity in Multifocal Hepatocellular Carcinoma and Its Association with Host Genomic and Transcriptomic Alterations. *Cancer discovery*, 15(8), 1630.

Zeng R, et al. (2025) The Role of EZH2 in Initiating Epigenetic Regulation of CRSwNP. *Journal of inflammation research*, 18, 8607.

Yang YJ, et al. (2025) Integrated Glycosylation Analysis of Immunoglobulin Isotypes Reveals Expanded Humoral Remodeling in Elderly Tuberculosis Infection. *Molecular & cellular proteomics : MCP*, 24(12), 101438.

Zhu J, et al. (2025) Neural architecture of social punishment: Insights from a queue-jumping scenario. *iScience*, 28(3), 111988.

Uygun SD, et al. (2025) Assessing gender dysphoria in Turkish adolescents: psychometric validation of the Utrecht Gender Dysphoria Scale-Gender Spectrum. *BJPsych open*, 11(6),

e228.

Luo H, et al. (2025) Large-Scale T-cell Receptor Repertoire Profiling Unveils Tumor-Specific Signals for Diagnosing Indeterminate Pulmonary Nodules. *Cancer research*, 85(24), 5141.

Liang H, et al. (2025) Machine learning-based discovery of informative SNPs for population assignment through whole genome sequencing. *BMC genomics*, 26(1), 1119.

Braga J, et al. (2025) Complex and diverse patterns of neurocranial development in *Australopithecus*, *Paranthropus* and *Homo*. *Scientific reports*, 15(1), 41666.

Abdill RJ, et al. (2025) Integration of 168,000 samples reveals global patterns of the human gut microbiome. *Cell*, 188(4), 1100.

Garcia de Herreros M, et al. (2025) Clinical and Transcriptomic Characterization of Metastatic Hormone-Sensitive Prostate Cancer Patients with Low PTEN Expression. *International journal of molecular sciences*, 26(13).

Djalalinia S, et al. (2025) Evaluation of the hypercholesterolemia care cascade and compliance with NCEP-ATP III guidelines in Iran based on the WHO STEPS survey. *Lipids in health and disease*, 24(1), 99.

Zhang S, et al. (2025) Immunosequencing identifies signatures of T cell responses for early detection of nasopharyngeal carcinoma. *Cancer cell*, 43(8), 1423.

Garcia Lopez A, et al. (2024) Risk assessment with gene expression markers in sepsis development. *Cell reports. Medicine*, 5(9), 101712.

Yang S, et al. (2024) Risk assessment of imported malaria in China: a machine learning perspective. *BMC public health*, 24(1), 865.