

# Resource Summary Report

Generated by [FDI Lab - SciCrunch.org](#) on Apr 28, 2025

## RandomForest Package in R

RRID:SCR\_015718

Type: Tool

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### Proper Citation

RandomForest Package in R (RRID:SCR\_015718)

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### Resource Information

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

**Proper Citation:** RandomForest Package in R (RRID:SCR\_015718)

**Description:** Software package for classification and regression based on a forest of trees using random inputs.

**Synonyms:** randomForest: Breiman and Cutler's Random Forests for Classification and Regression

**Resource Type:** software application, software resource

**Defining Citation:** [PMID:14632445](#)

**Keywords:** classification, cluster, regression, random input, qsar model

**Funding:**

**Availability:** Free, Available for download

**Resource Name:** RandomForest Package in R

**Resource ID:** SCR\_015718

**Alternate URLs:** <https://CRAN.R-project.org/package=randomForest>,  
<https://www.stat.berkeley.edu/~breiman/RandomForests/>

**License:** GPL 2, GPL 3

**License URLs:** <http://www.gnu.org/licenses/gpl.txt>

**Record Creation Time:** 20220129T080327+0000

**Record Last Update:** 20250428T053929+0000

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## Ratings and Alerts

No rating or validation information has been found for RandomForest Package in R.

No alerts have been found for RandomForest Package in R.

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## Usage and Citation Metrics

We found 137 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [FDI Lab - SciCrunch.org](#).

Mondelo-Macía P, et al. (2024) Identification of a Proteomic Signature for Predicting Immunotherapy Response in Patients With Metastatic Non-Small Cell Lung Cancer. Molecular & cellular proteomics : MCP, 23(10), 100834.

Yu Z, et al. (2024) Comprehensive analysis of IRF8-related genes and immune characteristics in lupus nephritis. Frontiers in pharmacology, 15, 1468323.

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

Huang J, et al. (2024) Deciphering the molecular classification of pediatric sepsis: integrating WGCNA and machine learning-based classification with immune signatures for the development of an advanced diagnostic model. Frontiers in genetics, 15, 1294381.

Zhang YF, et al. (2024) Precision therapy for ulcerative colitis: insights from mitochondrial dysfunction interacting with the immune microenvironment. Frontiers in immunology, 15, 1396221.

Rezende GS, et al. (2024) Metabarcoding analysis reveals an interaction among distinct groups of bacteria associated with three different varietals of grapes used for wine production in Brazil. Heliyon, 10(11), e32283.

Yang Q, et al. (2024) Department-specific patterns of bacterial communities and antibiotic resistance in hospital indoor environments. Applied microbiology and biotechnology, 108(1), 487.

Lyu X, et al. (2024) Tracing the evolutionary and genetic footprints of atmospheric tillandsioids transition from land to air. *Nature communications*, 15(1), 9599.

Nekrasova AI, et al. (2024) Characteristics of the Gut Microbiota Composition of the Arctic Zone Residents in the Far Eastern Region. *Biomedicines*, 12(11).

Webster AP, et al. (2024) Donor whole blood DNA methylation is not a strong predictor of acute graft versus host disease in unrelated donor allogeneic haematopoietic cell transplantation. *Frontiers in genetics*, 15, 1242636.

Wu Y, et al. (2024) Gut microbiota associated with appetite suppression in high-temperature and high-humidity environments. *EBioMedicine*, 99, 104918.

de Back TR, et al. (2024) A consensus molecular subtypes classification strategy for clinical colorectal cancer tissues. *Life science alliance*, 7(8).

Mazel F, et al. (2024) Contrasted host specificity of gut and endosymbiont bacterial communities in alpine grasshoppers and crickets. *ISME communications*, 4(1), ycad013.

Shen X, et al. (2024) Bazi Bushen ameliorates age-related energy metabolism dysregulation by targeting the IL-17/TNF inflammatory pathway associated with SASP. *Chinese medicine*, 19(1), 61.

Cho J, et al. (2024) Stroke walking and balance characteristics via principal component analysis. *Scientific reports*, 14(1), 10465.

Liu G, et al. (2024) Identification of mitochondria-related gene biomarkers associated with immune infiltration in acute myocardial infarction. *iScience*, 27(7), 110275.

Liu L, et al. (2024) Robust Glycoproteomics Platform Reveals a Tetra-Antennary Site-Specific Glycan Capping with Sialyl-Lewis Antigen for Early Detection of Gastric Cancer. *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*, 11(9), e2306955.

Tang D, et al. (2024) Identification of platelet-related subtypes and diagnostic markers in pediatric Crohn's disease based on WGCNA and machine learning. *Frontiers in immunology*, 15, 1323418.

Hur R, et al. (2024) Leveraging Large Data, Statistics, and Machine Learning to Predict the Emergence of Resistant *E. coli* Infections. *Pharmacy (Basel, Switzerland)*, 12(2).

Zhang P, et al. (2024) RNA sequencing-based approaches to identifying disulfidptosis-related diagnostic clusters and immune landscapes in osteoporosis. *Aging*, 16(9), 8198.