

Resource Summary Report

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rstatix

RRID:SCR_021240

Type: Tool

Proper Citation

rstatix (RRID:SCR_021240)

Resource Information

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

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Description: Software R package for basic statistical tests including t-test, Wilcoxon test, ANOVA, Kruskal-Wallis and correlation analyses. Output of each test is automatically transformed into data frame to facilitate visualization. Additional functions are available for reshaping, reordering, manipulating and visualizing correlation matrix. Functions are also included to facilitate analysis of factorial experiments. Can compute several effect size metrics. Package contains helper functions for identifying univariate and multivariate outliers, assessing normality and homogeneity of variances.

Resource Type: software application, software resource, data analytics software, software toolkit

Keywords: Statistical tests, t-test, Wilcoxon test, ANOVA, Kruskal-Wallis, correlation analyses, R, visualization

Availability: Free, Available for download, Freely available

Resource Name: rstatix

Resource ID: SCR_021240

Alternate URLs: <https://github.com/kassambara/rstatix>

License: GPL v2

Record Creation Time: 20220129T080354+0000

Record Last Update: 20260805T044445+0000

Ratings and Alerts

No rating or validation information has been found for rstatix.

No alerts have been found for rstatix.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 97 mentions in open access literature.

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

Cox M, et al. (2026) Effects of short-term exercise on plasma metabolic and lipidomic profiles of individuals with type 2 diabetes. *Experimental physiology*, 111(1), 69.

Berger AH, et al. (2025) High-resolution transcriptional impact of AIRE: effects of pathogenic variants p.Arg257Ter, p.Cys311Tyr, and polygenic risk variant p.Arg471Cys. *Frontiers in immunology*, 16, 1572789.

Villette R, et al. (2025) Human gut microbiome gene co-expression network reveals a loss in taxonomic and functional diversity in Parkinson's disease. *NPJ biofilms and microbiomes*, 11(1), 142.

Sun B, et al. (2025) Permissive central tolerance plus defective peripheral checkpoints licence pathogenic memory B cells in CASPR2-antibody encephalitis. *bioRxiv : the preprint server for biology*.

Zinger L, et al. (2025) Elusive tropical forest canopy diversity revealed through environmental DNA contained in rainwater. *Science advances*, 11(33), eadx4909.

Jancarova M, et al. (2025) Susceptibility of diverse sand fly species to Toscana virus. *PLoS neglected tropical diseases*, 19(5), e0013031.

Daguano Gastaldi V, et al. (2025) A comprehensive and standardized pipeline for automated profiling of higher cognition in mice. *Cell reports methods*, 5(3), 101011.

Emili E, et al. (2025) Allometry of cell types in planarians by single-cell transcriptomics. *Science advances*, 11(19), eadm7042.

Dai X, et al. (2025) Identification and validation of parthanatos-related genes in end-stage renal disease. *Renal failure*, 47(1), 2519834.

Oliver-Domínguez I, et al. (2025) Memory recognition elicits autonomic-like responses in crayfish. *The Journal of experimental biology*, 228(12).

Wang H, et al. (2025) Identification of prognostic genes associated with phase separation in lung adenocarcinoma and construction of prognostic models. *Scientific reports*, 15(1), 34547.

Mout L, et al. (2025) Genetic and Epigenetic Reprogramming of Transposable Elements Drives ecDNA-Mediated Metastatic Prostate Cancer. *bioRxiv : the preprint server for biology*.

Laplante P, et al. (2025) Effect of MisMatch repair deficiency on metastasis occurrence in a syngeneic mouse model. *Neoplasia (New York, N.Y.)*, 62, 101145.

Zhao Y, et al. (2025) Chromosome-level genome of the brown lacewing *Micromus angulatus* (Stephens, 1836) (Neuroptera: Hemerobiidae). *Scientific data*, 12(1), 394.

Csicsely E, et al. (2025) Identification and characterization of DICER-LIKE genes and their roles in *Marchantia polymorpha* development and salt stress response. *The Plant journal : for cell and molecular biology*, 121(3), e17236.

Mayer M, et al. (2025) Deciphering the cellular tumor microenvironment landscape in salivary gland carcinomas using multiplexed imaging mass cytometry. *Journal of experimental & clinical cancer research : CR*, 44(1), 288.

Hindermann M, et al. (2025) Protocol for the preparation, execution, and automated analysis via IntelliR of IntelliCage-based mouse experiments. *STAR protocols*, 6(4), 104246.

Jambon E, et al. (2025) Improving the Accuracy and Repeatability of Renal Stiffness Measurement With Magnetic Resonance Elastography: Influence of Vibration Frequency, Acquisition Orientation, and Postprocessing-A Phantom and Volunteer Study. *NMR in biomedicine*, 38(6), e70054.

Ramezani Tehrani F, et al. (2025) Longitudinal trajectories of insulin resistance in women with polycystic ovary syndrome: a functional data analysis approach. *Endocrine connections*, 14(8).

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).