Resource Summary Report

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<u>rstatix</u>

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

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

Funding:

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

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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 63 mentions in open access literature.

Listed below are recent publications. The full list is available at <u>NIF</u>.

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.

García-Ruiz S, et al. (2025) Splicing accuracy varies across human introns, tissues, age and disease. Nature communications, 16(1), 1068.

Guérin A, et al. (2024) Helper T cell immunity in humans with inherited CD4 deficiency. The Journal of experimental medicine, 221(5).

Kerstens M, et al. (2024) PLETHORA transcription factors promote early embryo development through induction of meristematic potential. Development (Cambridge, England), 151(12).

Selma-Royo M, et al. (2024) Birthmode and environment-dependent microbiota transmission dynamics are complemented by breastfeeding during the first year. Cell host & microbe, 32(6), 996.

Sparks D, et al. (2024) Swimming kinematics of rainbow trout behind a 3×5 cylinder array: a computationally driven experimental approach to understanding fish locomotion. The Journal of experimental biology, 227(23).

Liu D, et al. (2024) Protocol for analyzing plasma cell-free DNA fragment end motifs from ultra-low-pass whole-genome sequencing. STAR protocols, 5(4), 103357.

Kirk AM, et al. (2024) DNAJB1-PRKACA fusion neoantigens elicit rare endogenous T cell

responses that potentiate cell therapy for fibrolamellar carcinoma. Cell reports. Medicine, 5(3), 101469.

Liao R, et al. (2024) Integrated metabolomic and metagenomic strategies shed light on interactions among planting environments, rhizosphere microbiota, and metabolites of tobacco in Yunnan, China. Frontiers in microbiology, 15, 1386150.

Poort VM, et al. (2024) Transient Differentiation-State Plasticity Occurs during Acute Lymphoblastic Leukemia Initiation. Cancer research, 84(16), 2720.

Bittner MJ, et al. (2024) New chemical and microbial perspectives on vitamin B1 and vitamer dynamics of a coastal system. ISME communications, 4(1), ycad016.

Carasso S, et al. (2024) Inflammation and bacteriophages affect DNA inversion states and functionality of the gut microbiota. Cell host & microbe, 32(3), 322.

De Filippo C, et al. (2024) Gut microbiota drives colon cancer risk associated with diet: a comparative analysis of meat-based and pesco-vegetarian diets. Microbiome, 12(1), 180.

Hamm JT, et al. (2024) Interlaboratory Study on Zebrafish in Toxicology: Systematic Evaluation of the Application of Zebrafish in Toxicology's (SEAZIT's) Evaluation of Developmental Toxicity. Toxics, 12(1).

Montaner M, et al. (2024) A neuronal circuit driven by GLP-1 in the olfactory bulb regulates insulin secretion. Nature communications, 15(1), 6941.

Zheng Y, et al. (2024) Multi-omics data integration using ratio-based quantitative profiling with Quartet reference materials. Nature biotechnology, 42(7), 1133.

Huang X, et al. (2024) Protocol to identify fungal profile from fecal metagenomes in cancer patients prior to immunotherapy. STAR protocols, 5(1), 102847.

Dragone NB, et al. (2024) Taxonomic and genomic attributes of oligotrophic soil bacteria. ISME communications, 4(1), ycae081.

Wang K, et al. (2024) Protocol for fast clonal family inference and analysis from large-scale B cell receptor repertoire sequencing data. STAR protocols, 5(2), 102969.

Dong J, et al. (2024) Age-related changes of dopamine D1 and D2 receptors expression in parvalbumin-positive cells of the orbitofrontal and prelimbic cortices of mice. Frontiers in neuroscience, 18, 1364067.