

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: data analytics software, software application, software resource, 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: 20260905T132937+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 133 mentions in open access literature.

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

Richaud A, et al. (2026) Repeated mutation of a GT92 glycosyltransferase gene confers antiviral resistance in two *Caenorhabditis* species. *bioRxiv : the preprint server for biology*.

Kim S, et al. (2026) Gut microbiota transfer from autoimmune dry eye mice imprints stereotypic B cell receptor repertoires in the lacrimal gland and induces disease. *Frontiers in immunology*, 17, 1827057.

Chevret CJL, et al. (2026) Tissue-specific mitochondrial pathway remodeling linked to longevity in honeybee queens. *PloS one*, 21(1), e0341233.

Rodriguez Y, et al. (2026) The Ovine Brain as a Model for Human Neurodevelopment: Immunohistochemical Profiling of Brain Maturation Markers in Preterm Lambs. *The Journal of comparative neurology*, 534(3), e70149.

Pardini E, et al. (2026) Genomic landscape and subgroup stratification of thymic epithelial tumors: a systematic meta-analysis of next-generation sequencing data. *Frontiers in oncology*, 16, 1781510.

Leipold S, et al. (2026) Inter-subject correlations and their behavioral associations vary across movies: Implications for generalizability. *bioRxiv : the preprint server for biology*.

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.

Huang Z, et al. (2026) Single-dose psilocybin promotes cell-type-specific changes of neurons in the orbitofrontal cortex. *Neurotherapeutics : the journal of the American Society for Experimental NeuroTherapeutics*, 23(1), e00841.

Shendye N, et al. (2026) α -adrenergic receptors modulate CA1 population coding and synaptic plasticity during cumulative spatial memory formation and updating. *Scientific reports*, 16(1).

Guan R, et al. (2026) Influence of Age and Body Weight on Supramammary Lymph Node Morphology and Weight in Holstein Dairy Cows. *Veterinary sciences*, 13(6).

Lukow PB, et al. (2026) GABAA receptor availability in clinical high-risk and first-episode psychosis: a [11C]Ro15-4513 positron emission tomography study. *Molecular psychiatry*, 31(2), 987.

Zhang X, et al. (2026) Identification and Analysis of Biomarkers Associated With Lipid Metabolism and Ferroptosis in Ulcerative Colitis. *Journal of immunology research*, 2026(1), e9283449.

Carrera-Castaño G, et al. (2026) Membrane-associated DELLA degradation modulates growth under carbon/nitrogen imbalance. *The Plant cell*, 38(2).

Feiten AF, et al. (2026) TREM2 expression level is critical for microglial state, metabolic capacity and efficacy of TREM2 agonism. *Nature communications*, 17(1).

Vatovec T, et al. (2026) Somatic deficiency of the human E3 ubiquitin ligase CBL in leukocytes impairs B cell but not T cell development and function. *Nature immunology*, 27(2), 308.

Hall BL, et al. (2026) Changes in interlimb coordination induced by within-stride changes in treadmill speed. *Journal of neurophysiology*, 136(1), 48.

Apgar M, et al. (2026) Dietary fiber reduces mortality from secondary sepsis in a murine model of *Clostridioides difficile* infection. *iScience*, 29(4), 115258.

Prasad M, et al. (2026) Genomic Enrichment and Functional Impact of TP53 and CYLD Alterations in Recurrent and Metastatic HPV-Associated Head and Neck Cancer. *Clinical cancer research : an official journal of the American Association for Cancer Research*, 32(9), 1809.

Rock RR, et al. (2026) Female-enriched *Eggerthella lenta* drives neuroinflammation and IFN- γ via host receptor TLR2. *bioRxiv : the preprint server for biology*.

Ding C, et al. (2026) Glioblastoma-Secreted C1QL1 Orchestrates Tumor Microtubule Expansion and Neural Synaptic Pruning to Drive Malignant Synapse Formation and Recurrence. *Cancer discovery*, 16(6), 1176.