

Resource Summary Report

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Principal Components Analysis

RRID:SCR_014676

Type: Tool

Proper Citation

Principal Components Analysis (RRID:SCR_014676)

Resource Information

URL: <http://stat.ethz.ch/R-manual/R-patched/library/stats/html/prcomp.html>

Proper Citation: Principal Components Analysis (RRID:SCR_014676)

Description: R documentation for a function that performs a principal components analysis on a given data matrix and returns the results as an object of class prcomp.

Resource Type: data analysis software, data processing software, software application, software resource, source code

Keywords: statistical analysis, statistical analysis package, r, r package, principal component analysis, data matrix, prcomp, metabolomics

Resource Name: Principal Components Analysis

Resource ID: SCR_014676

Record Creation Time: 20220129T080321+0000

Record Last Update: 20260912T195820+0000

Ratings and Alerts

No rating or validation information has been found for Principal Components Analysis.

No alerts have been found for Principal Components Analysis.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 17 mentions in open access literature.

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

Aggrey-Fynn JE, et al. (2026) Epigenetic context defines the transcriptional activity of canonical and noncanonical NF- κ B signaling in pancreatic cancer. *Cell death discovery*, 12(1).

López-Fuentes E, et al. (2026) Epigenetic and Transcriptional Programs Define Osteosarcoma Subtypes and Establish Targetable Vulnerabilities. *Cancer discovery*, 16(2), 296.

Wehle DT, et al. (2026) Dissociation of the mTOR Protein Interaction Network Following Neuronal Activation Is Altered by Shank3 Mutation. *Journal of neurochemistry*, 170(1), e70353.

Corr BR, et al. (2025) SM08502-Mediated β -Catenin Repression Synergizes with Olaparib to Inhibit Tumor Progression. *Cancer research communications*, 5(12), 2112.

Reinhold WC, et al. (2025) Acetalax and Bisacodyl for the Treatment of Triple-Negative Breast Cancer: A Combined Molecular and Preclinical Study. *Cancer research communications*, 5(2), 375.

Vu LT, et al. (2024) Single-cell transcriptomics of the immune system in ME/CFS at baseline and following symptom provocation. *Cell reports. Medicine*, 5(1), 101373.

Kawai M, et al. (2024) Early detection of pancreatic cancer by comprehensive serum miRNA sequencing with automated machine learning. *British journal of cancer*, 131(7), 1158.

Short AK, et al. (2024) Individual longitudinal changes in DNA-methylome identify signatures of early-life adversity and correlate with later outcome. *Neurobiology of stress*, 31, 100652.

Oberstein PE, et al. (2024) Blockade of IL1 β and PD1 with Combination Chemotherapy Reduces Systemic Myeloid Suppression in Metastatic Pancreatic Cancer with Heterogeneous Effects in the Tumor. *Cancer immunology research*, 12(9), 1221.

Preiner J, et al. (2024) Rhizobium symbiosis improves amino acid and secondary metabolite biosynthesis of tungsten-stressed soybean (*Glycine max*). *Frontiers in plant science*, 15, 1355136.

Ali LR, et al. (2023) PD-1 blockade induces reactivation of non-productive T cell responses characterized by NF- κ B signaling in patients with pancreatic cancer. *Clinical cancer research : an official journal of the American Association for Cancer Research*.

Short AK, et al. (2023) Within-subject changes in methylome profile identify individual signatures of early-life adversity, with a potential to predict neuropsychiatric outcome. *bioRxiv : the preprint server for biology*.

Mzoughi S, et al. (2023) A Mutation-driven oncofetal regression fuels phenotypic plasticity in colorectal cancer. *bioRxiv : the preprint server for biology*.

Preiner J, et al. (2019) Molecular Mechanisms of Tungsten Toxicity Differ for Glycine max Depending on Nitrogen Regime. *Frontiers in plant science*, 10, 367.

Shrestha BR, et al. (2018) Sensory Neuron Diversity in the Inner Ear Is Shaped by Activity. *Cell*, 174(5), 1229.

Mor N, et al. (2018) Neutralizing Gatad2a-Chd4-Mbd3/NuRD Complex Facilitates Deterministic Induction of Naive Pluripotency. *Cell stem cell*, 23(3), 412.

Devault AM, et al. (2017) A molecular portrait of maternal sepsis from Byzantine Troy. *eLife*, 6.