

Resource Summary Report

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pcaMethods

RRID:SCR_024252

Type: Tool

Proper Citation

pcaMethods (RRID:SCR_024252)

Resource Information

URL: <https://bioconductor.org/packages/release/bioc/html/pcaMethods.html>

Proper Citation: pcaMethods (RRID:SCR_024252)

Description: Software R package providing PCA methods for incomplete data. Provides Bayesian PCA, Probabilistic PCA, Nipals PCA, Inverse Non-Linear PCA and conventional SVD PCA. Cluster based method for missing value estimation is included for comparison. BPCA, PPCA and NipalsPCA may be used to perform PCA on incomplete data as well as for accurate missing value estimation.

Synonyms: pcamethods

Resource Type: software resource, software toolkit

Defining Citation: [PMID:17344241](#)

Keywords: PCA methods for incomplete data, missing value estimation,

Availability: Free, Available for download, Freely available,

Resource Name: pcaMethods

Resource ID: SCR_024252

Alternate IDs: OMICS_14344

Alternate URLs: <https://sources.debian.org/src/r-bioc-pcamethods/>

Record Creation Time: 20230830T050217+0000

Record Last Update: 20260912T200116+0000

Ratings and Alerts

No rating or validation information has been found for pcaMethods.

No alerts have been found for pcaMethods.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 11 mentions in open access literature.

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

Keele GR, et al. (2025) Genetic architecture of the murine red blood cell proteome reveals central role of hemoglobin beta cysteine 93 in maintaining redox balance. *Cell genomics*, 101069.

Donkers JM, et al. (2024) A host-microbial metabolite interaction gut-on-a-chip model of the adult human intestine demonstrates beneficial effects upon inulin treatment of gut microbiome. *Microbiome research reports*, 3(2), 18.

Recinos Y, et al. (2024) Lineage-specific splicing regulation of MAPT gene in the primate brain. *Cell genomics*, 4(6), 100563.

Lei G, et al. (2023) Transcriptome and metabolome analyses revealed the response mechanism of pepper roots to *Phytophthora capsici* infection. *BMC genomics*, 24(1), 626.

Picchi SC, et al. (2021) GC-TOF/MS-based metabolomics analysis to investigate the changes driven by N-Acetylcysteine in the plant-pathogen *Xanthomonas citri* subsp. *citri*. *Scientific reports*, 11(1), 15558.

Sun Y, et al. (2020) Gentamicin Induced Microbiome Adaptations Associate With Increased BCAA Levels and Enhance Severity of Influenza Infection. *Frontiers in immunology*, 11, 608895.

Bastos RW, et al. (2020) Functional Characterization of Clinical Isolates of the Opportunistic Fungal Pathogen *Aspergillus nidulans*. *mSphere*, 5(2).

Garcia Tavares R, et al. (2018) ScGAI is a key regulator of culm development in sugarcane. *Journal of experimental botany*, 69(16), 3823.

Ries LNA, et al. (2018) The *Aspergillus nidulans* Pyruvate Dehydrogenase Kinases Are Essential To Integrate Carbon Source Metabolism. *G3 (Bethesda, Md.)*, 8(7), 2445.

Pena MJ, et al. (2016) Serum metabolites predict response to angiotensin II receptor blockers in patients with diabetes mellitus. *Journal of translational medicine*, 14(1), 203.

Espinoza C, et al. (2010) Interaction with diurnal and circadian regulation results in dynamic metabolic and transcriptional changes during cold acclimation in *Arabidopsis*. *PloS one*, 5(11), e14101.