

Resource Summary Report

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rsvd

RRID:SCR_024303

Type: Tool

Proper Citation

rsvd (RRID:SCR_024303)

Resource Information

URL: <https://cran.r-project.org/package=rsvd>

Proper Citation: rsvd (RRID:SCR_024303)

Description: Software R package used to compute near optimal low-rank singular value decomposition of massive data sets with high accuracy. Provides several randomized matrix algorithms such as randomized singular value decomposition (rsvd), randomized principal component analysis (rpca), randomized robust principal component analysis (rrpca), randomized interpolative decomposition (rid), and the randomized CUR decomposition (rcur). In addition several plot functions are provided.

Synonyms: randomized singular value decomposition

Resource Type: software toolkit, software resource

Defining Citation: [DOI:10.18637/jss.v089.i11](https://doi.org/10.18637/jss.v089.i11)

Keywords: randomized singular value decomposition, singular value decomposition, compute optimal low-rank singular value decomposition, massive data sets,

Availability: Free, Available for download, Freely available,

Resource Name: rsvd

Resource ID: SCR_024303

Alternate URLs: <https://sources.debian.org/src/r-cran-rsvd/>

License: GPL (? 3)

Record Creation Time: 20230830T050217+0000

Record Last Update: 20260729T044603+0000

Ratings and Alerts

No rating or validation information has been found for rsvd.

No alerts have been found for rsvd.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.