Package: dgread (via r-universe)

May 31, 2026

Type Package

Title Read Dynamic Group (dg/dgz) Data Files

Version 1.1.0

Description Fast reader for dg (dynamic group) and dgz (compressed) data files. These files store collections of named arrays with support for nested and ragged (variable-length) data, commonly used in neuroscience and behavioral research.

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URL https://github.com/SheinbergLab/dgread

BugReports https://github.com/SheinbergLab/dgread/issues

Encoding UTF-8

NeedsCompilation yes

SystemRequirements zlib

Imports tcltk

Config/roxygen2/version 8.0.0

Config/pak/sysreqs zlib1g-dev

Repository https://sheinberglab.r-universe.dev

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RemoteUrl https://github.com/SheinbergLab/dgread

RemoteRef HEAD

RemoteSha 6f9b1cebefb7fe2cf815e7b97566bf080588ba9f

RemoteSubdir R

Contents

dg.get *Fetch a dynamic group from a running dlsh/Tcl interpreter*

Description

Retrieves a dynamic group by name from an embedded dlsh Tcl interpreter (via the **tcltk** bridge) and returns it as a named list.

Usage

```
dg.get(groupname, convert.underscore = FALSE)
```

Arguments

groupname	Name of the dynamic group in the Tcl interpreter.
convert.underscore	If TRUE, replace _ with . in element names.

Value

A named list of the group's columns, or NULL if the group does not exist.

read.dgz *Read a dg/dgz data file*

Description

Reads a dynamic-group data file – plain .dg, gzip-compressed .dgz, or LZ4 .lz4 – into a named list. Each element is a column; nested / ragged columns are returned as lists.

Usage

```
read.dgz(file, convert.underscore = FALSE)

read.dg(file, convert.underscore = FALSE)
```

Arguments

file	Path to the .dg/.dgz/.lz4 file.
convert.underscore	If TRUE, replace _ with . in element names.

Value

A named list of the group's columns.

Examples

```
d <- read.dgz(system.file("extdata", "sample.dgz", package = "dgread"))
names(d)
```

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