Package ‘loadr’

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Title Cleaner Workspaces with Shared Variable Environments
Description Provides intuitive functions for loading objects into environments, encouraging less cluttered workspaces and sharing variables with large or reusable data across users and sessions. The user provides named variables which are loaded into the variable environment for later retrieval.
Suggests knitr, rmarkdown, testthat
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eload \hspace{1cm} \textit{Loads named variables into a shared environment}

**Description**

eload takes a collection of named objects and creates or updates an environment. By default, an existing variable in the target environment will be replaced by a new value, but this can be avoided by setting `preserve=TRUE`. If you want to load directly into the current env, look at `list2env` with `environment()`

**Usage**

```r
eload(
    loadDat,
    loadEnvir = loadrEnv(),
    preserve = FALSE,
    parentEnvir = globalenv()
)
```

**Arguments**

- `loadDat` A list or environment with named variables to load.
- `loadEnvir` Name (character string) for the environment to create or update.
- `preserve` Whether to retain the value for an already-bound name.
- `parentEnvir` Parent environment of the shared variable environment; defaults to `globalenv()`

**Examples**

```r
eload(list(x=15))
SV$x
```

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**getLoadEnvir**

\hspace{1cm} \textit{A function used by eload() to create the global shared variable environment if it doesn’t exist, or return it if it does.}

**Description**

A function used by `eload()` to create the global shared variable environment if it doesn’t exist, or return it if it does.

**Usage**

```r
getLoadEnvir(loadEnvir = loadrEnv())
```

**Arguments**

- `loadEnvir` Name of the environment to get. Internal function.
loadr

Cleaner R workspaces.

Description

Functions for loading data into a shared variable environment

Author(s)

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References

https://github.com/databio/loadr

loadrEnv

Sets or gets a global variable specifying the default environment name for loadr.

Description

Sets or gets a global variable specifying the default environment name for loadr.

Usage

loadrEnv(envName = NULL)

Arguments

envName Name of environment where shared variables should be stored. Leave NULL to retrieve current environment name.

Examples

loadrEnv("SV")
sv

Show shared variables Gives a list of shared variable contents.

Description

Show shared variables Gives a list of shared variable contents.

Usage

sv(envir = "SV")

Arguments

envir Character vector name of the environment to display.

Examples

sv()

vload

Loads R objects into the shared variable environment.

Description

This function loads one or more R objects into the shared variable environment. By default it will assign variable names as they are named when passed to the function, but it can also assign variables to alternative names using the varNames argument.

Usage

vload(..., varNames = NULL)

Arguments

... Any number of variables to assign to the shared variable environment

varNames (Optional) character vector of variable names to use for the given variables. If provided, the length of varNames must match the number of variables passed to ...

Examples

x=5; y=7; z=15
vload(x, y, z)
vload(c(1,2,3), varNames="varname")
vload(x, y, varNames=c("xvar", "yvar"))
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