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, testthat

VignetteBuilder knitr

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Encoding UTF-8

URL https://www.github.com/databio/loadr

BugReports https://www.github.com/databio/loadr

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eload *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

```
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

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

getLoadEnvir *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

```
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)

Nathan Sheffield

References

http://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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