

Backpack

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Type Package

Title What the Package Does (Title Case)

Version 0.1.0

Author Who wrote it

Maintainer The package maintainer <yourself@somewhere.net>

Description More about what it does (maybe more than one line)
Use four spaces when indenting paragraphs within the Description.

License What license is it under?

Encoding UTF-8

LazyData true

RoxygenNote 6.1.0.9000

Imports dplyr,
learnr,
devtools

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bind_packages	<i>Bind Packages</i>
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Description

Function to add packages to existing binders to the user views, or to create new binders to store packages

Usage

```
bind_packages(package, binder, source, suggest)
```

Arguments

package	: new packages to add
binder	: either an existing binder or a new user-defined binder
source	: whether package source is CRAN or Github Repo. If the source is a GitHub repo, please provide the 'username/repo[/subdir]'
suggest	: default = TRUE. Boolean indicating whether want suggestions on existing packages. Once you chose the final name, set suggest = FALSE to either add packages to an existing binder or create a new binder.

Examples

```
bind_packages(Package = c("a", "b", "c"), Binder = "alphabets", source = "CRAN", suggest = FALSE)
```

install_binders	<i>Install Binders</i>
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Description

Function to install the packages in the binders.

Usage

```
install_binders(binders)
```

Arguments

binders	The binder to install
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Examples

```
install_binders("MLM")  
  
install_binders()
```

list_lessons	<i>List Lessons</i>
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Description

Function to list available lessons.

Usage

```
list_lessons()
```

Examples

```
list_lesson()
```

load_binders	<i>Load Binders</i>
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Description

Function to load the packages in a binder(s).

Usage

```
load_binders(binders)
```

Arguments

binders	character vector of binder names. The binder(s) whose packages are to be loaded into the environment.
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Examples

```
load_binders("MLM")
```

seeds

Seeds Dataset

Description

Measurements of geometrical properties of kernels belonging to three different varieties of wheat. Adapted from the dataset taken from the UCI Machine Learning Repository.

Usage

```
data(seeds)
```

Format

An object of class `data.frame` with 210 rows and 8 columns.

Source

UCI Machine Learning Repository

start_lesson

Start Lesson

Description

Function to start a lesson.

Usage

```
start_lesson(lesson_name)
```

Arguments

`lesson_name` Name of the lesson to learn.

Details

This can also be done using the `learnr` package as follows `'learnr::run_tutorial("2004-MatrixAlgebra",package="backpack")`. It must be noted that when using this, the packages needed for the tutorial aren't automatically loaded. It is recommended to use `start_lesson`.

Examples

```
start_lesson(name="2004-MatrixAlgebra")
```

```
start_lesson()
```

unbind_packages	<i>Unbind Packages</i>
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Description

Function to remove packages from existing binders, or entire binders, from user views.

Usage

```
unbind_packages(Package, binder)
```

Arguments

package : package(s) to remove. Pass a vector if multiple packages.
binder : specifies the binder from which Packages need to be removed. If Packages is NULL, will remove entire binder.

Examples

```
unbind_packages(Package = c("a", "b"), binder = "alphabets")  
unbind_packages(binder = 'alphabets')
```

uninstall_binders	<i>Uninstall Binders</i>
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Description

Function to uninstall the packages in the binder(s).

Usage

```
uninstall_binders(binders)
```

Arguments

binders The binder(s) to uninstall

Examples

```
uninstall_binders("MLM")
```

`view_binders`*View Binders*

Description

Function to see the binders of packages available and a summary for each.

Usage

```
view_binders()
```

Arguments

<code>compartment</code>	character vector, the compartment to view the binders in. Defaults to "all". - "all" to view all the binders - "master" to view binders that came with the package - "user" to view binders created by the user
<code>search</code>	character string, regex style search string for binders with matches to words in the search string. Defaults to NULL in which case all the binders are shown.

Examples

```
view_binders(compartment="master") ## to view all the binders in the master list  
view_binders(compartment="master",binders="Machine Learning") ## to view a summary of just the Machine Learning
```

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