

Package ‘pafdr’

April 30, 2017

Title Book Companion for Processing and Analyzing Financial Data with R

Version 1.0

Description Provides access to material from the book “Processing and Analyzing Financial Data with R” by Marcelo Perlin (2017) available at <<https://sites.google.com/view/pafdr/home>>.

Date 2017-04-29

Depends R (>= 3.3.3), exams, stringr

Imports curl, utils, stats

License GPL-2

LazyData true

RoxygenNote 6.0.1

Suggests knitr, rmarkdown, testthat, ggplot2

VignetteBuilder knitr

NeedsCompilation no

Author Marcelo Perlin [aut, cre]

Maintainer Marcelo Perlin <marceloperlin@gmail.com>

Repository CRAN

Date/Publication 2017-04-30 20:22:31 UTC

R topics documented:

| | |
|--|----------|
| gen.rnd.vec | 2 |
| pafdr_build.exercise | 2 |
| pafdr_check.pdflatex | 3 |
| pafdr_download.code.and.data | 3 |
| pafdr_download.exercises | 4 |
| Index | 5 |

`gen.rnd.vec`*Generates random vector for numerical answer (internal)*

Description

Generates random vector for numerical answer (internal)

Usage

```
gen.rnd.vec()
```

Value

A vector with random weights, including value 1 for first element

Examples

```
library(pafdR)
my.sol <- 1 #assume solution to exercise is 1

my.answers <- gen.rnd.vec()*my.sol
my.answers
```

`pafdR_build.exercise`*Builds exercises using package exams*

Description

This function build a pdf file and a solution sheet from R exercises available at github.

Usage

```
pafdR_build.exercise(lan = "en", exercise.folder = "pafdR-exercises",
  pdf.folder = "pdf out")
```

Arguments

| | |
|------------------------------|--|
| <code>lan</code> | Language of exercises ('en' or 'pt-br') |
| <code>exercise.folder</code> | Folder with exercise files (if not found, will download from github) |
| <code>pdf.folder</code> | Folder to output pdf file and solutions |

Value

TRUE, if sucessful

Examples

```
## Not run:  
pafdR_build.exercise()  
  
## End(Not run)
```

`pafdR_check.pdf`latex *Function to check if system has pdf*latex.exe available

Description

Function to check if system has pdf

latex.exe available

Usage

```
pafdR_check.pdf
```

latex()

Value

TRUE if the pdf

latex is available, FALSE if not

Examples

```
pafdR_check.pdf
```

latex()

`pafdR_download.code.and.data`
Downloads code and data from the book

Description

Downloads a zip file from the github repository and unzip it to a folder within the working directory

Usage

```
pafdR_download.code.and.data(lan = "en")
```

Arguments

lan Language of book/files ('en' or 'pt-br')

Value

TRUE, if successful

Examples

```
## Not run:  
pafdR_download.code.and.data()  
  
## End(Not run)
```

```
pafdR_download.exercises
```

```
Downloads Book exercises from github
```

Description

This function downloads exercise files from github and unzips it to a chosen directory

Usage

```
pafdR_download.exercises(exercise.folder = "pafdR-exercises")
```

Arguments

```
exercise.folder  
                folder to copy exercise files
```

Value

TRUE, if successful

Examples

```
## Not run:  
exercise.folder <- pafdR_download.exercises()  
  
## End(Not run)
```

Index

`gen.rnd.vec`, [2](#)

`pafdR_build.exercise`, [2](#)

`pafdR_check.pdflatex`, [3](#)

`pafdR_download.code.and.data`, [3](#)

`pafdR_download.exercises`, [4](#)