

Package ‘pafdR’

July 23, 2025

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>

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gen.rnd.vec	<i>Generates random vector for numerical answer (internal)</i>
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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	<i>Builds exercises using package exams</i>
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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

lan	Language of exercises ('en' or 'pt-br')
exercise.folder	Folder with exercise files (if not found, will download from github)
pdf.folder	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.pdflatex()
```

Value

TRUE if the pdf_{latex} is available, FALSE if not

Examples

```
pafdR_check.pdflatex()
```

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)
```

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