Package 'pafdR'

October 14, 2022

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 Finan-
cial Data with R'' by Marcelo Perlin (2017) avail-
able 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   *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

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.pdflatex   *Function to check if system has pdflatex.exe available*

Description

Function to check if system has pdflatex.exe available

Usage

```
pafdR_check.pdflatex()
```

Value

TRUE if the pdflatex 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 sucessful

Examples

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

## End(Not run)
```

Index