

Package ‘reproresearchR’

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Type Package

Title Companion Package for 'Reproducible Research Using R'

Version 0.1.1

Description Provides teaching datasets and helper functions to support the open educational resource Martinez (2026) ``Reproducible Research Using R'' <[doi:10.5281/zenodo.19136755](https://doi.org/10.5281/zenodo.19136755)>. The package includes datasets used throughout the book and utilities to list and copy chapter scripts shipped with the package.

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Encoding UTF-8

RoxygenNote 7.3.3

LazyData true

Depends R (>= 3.5.0)

Suggests rstudioapi

URL <https://martinezc1-reproducible-research-using-r.share.connect.posit.cloud/>,
<https://github.com/martinezc1/reproresearchR>

BugReports <https://github.com/martinezc1/reproresearchR/issues>

NeedsCompilation no

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chapter_script *Copy or run a textbook chapter script*

Description

Copy or run a textbook chapter script

Usage

```
chapter_script(  
  chapter,  
  type = c("full", "helper"),  
  dest,  
  run = FALSE,  
  overwrite = FALSE,  
  open = FALSE  
)
```

Arguments

chapter	Chapter number (e.g., 1, 2, 3).
type	Script type: "full" or "helper".
dest	Directory to copy the script into.
run	If TRUE, source() the script after copying.
overwrite	If TRUE, overwrite an existing file.
open	If TRUE, attempt to open the copied script in RStudio.

Value

Path to the copied script (invisibly if run = TRUE).

Examples

```
tmp <- tempdir()  
chapter_script(3, "helper", dest = tmp, overwrite = TRUE)
```

```
tmp <- tempdir()  
chapter_script(3, "helper", dest = tmp, open = TRUE, overwrite = TRUE)
```

exam_data	<i>Exam data dataset</i>
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Description

A teaching dataset used in *Reproducible Research Using R*. This dataset is used for examples involving descriptive statistics, visualization, correlation, and regression.

Usage

exam_data

Format

A data frame with 100 rows and 5 variables:

Student Name Student identifier.

Studying Hours Number of hours spent studying.

Exam Score Exam score.

Anxiety Score Self-reported anxiety score.

First Generation College Student Whether the student is a first-generation college student (Yes/No).

Source

Created for the textbook *Reproducible Research Using R*.

infection_treatments	<i>Infection treatments dataset</i>
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Description

A teaching dataset used in *Reproducible Research Using R*. This dataset is used for examples involving categorical data analysis and group comparisons.

Usage

infection_treatments

Format

A data frame with 150 rows and 2 variables:

Infection Type of infection.

Treatment Treatment administered.

Source

Created for the textbook *Reproducible Research Using R*.

list_chapters	<i>List available chapter scripts included with the package</i>
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Description

List available chapter scripts included with the package

Usage

```
list_chapters()
```

Value

A data frame with columns: chapter, type, file.

Examples

```
list_chapters()
```

pizza_prices	<i>Pizza prices dataset</i>
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Description

A teaching dataset used in **Reproducible Research Using R**. This dataset is primarily used for examples involving data visualization and linear regression.

Usage

```
pizza_prices
```

Format

A data frame with 156 rows and 3 variables:

Week Week number of observation.

Total Volume Total number of pizzas sold in that week.

Total Price Total revenue generated from pizza sales in that week.

Source

Created for the textbook **Reproducible Research Using R**.

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