

Package ‘reproresearchR’

September 7, 2026

Type Package

Title Companion Package for 'Reproducible Research Using R'

Version 0.1.2

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

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>,
<https://martinezc1.github.io/reproresearchR/>

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

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NeedsCompilation no

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chapter_materials	<i>Copy Chapter Materials</i>
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Description

Copies all learning materials associated with a textbook chapter into a local folder. This includes the chapter Quarto file, helper script, and completed script.

Usage

```
chapter_materials(chapter, path = ".", overwrite = FALSE)
```

Arguments

chapter	Chapter number.
path	Directory where the chapter folder should be created. Defaults to the current working directory.
overwrite	Logical. Should existing files be overwritten? Defaults to FALSE.

Value

Invisibly returns the paths to the copied files.

Examples

```
## Not run:
chapter_materials(1)
chapter_materials(4)
chapter_materials(4, path = "course-materials")

## End(Not run)
```

chapter_script*Copy or run a textbook chapter script*

Description

‘chapter_script()’ is deprecated. Use [chapter_materials()] instead to copy the complete set of materials associated with a textbook chapter.

This function is retained for backward compatibility with existing code.

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

```
## Not run:  
tmp <- tempdir()  
chapter_script(3, "helper", dest = tmp, overwrite = TRUE)  
  
## End(Not run)
```

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 Chapters</i>
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Description

Lists textbook chapters and the learning materials available for each chapter, including the Quarto chapter file, helper script, and completed script.

Usage

```
list_chapters()
```

Value

A data frame describing the available chapter materials.

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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