

Package: template (via r-universe)

August 17, 2024

Title Generic template for data analysis projects structured as R packages

Version 0.5.3

Description This package works as a template for new research or data analysis projects, under the idea of having everything (data, R scripts, functions and manuscript/reports) contained in the same package (a 'research compendium') to facilitate collaboration and promote reproducibility.

Depends R (>= 3.0.0)

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LazyData true

URL <https://github.com/Pakillo/template>

BugReports <https://github.com/Pakillo/template/issues>

Imports usethis, rstudioapi

Suggests testthat

RoxygenNote 7.1.1

Encoding UTF-8

Repository <https://pakillo.r-universe.dev>

RemoteUrl <https://github.com/Pakillo/template>

RemoteRef HEAD

RemoteSha 349e5201c6952831e22fc346503d3ac4bb15ae40

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template-package *template package*

Description

Generic template for research projects structured as R packages. This package works as a template for new research projects, under the idea of having everything (data, R scripts, functions and manuscripts) contained in the same package to promote reproducibility.

Details

For detailed steps on how to use the package see <https://github.com/Pakillo/template/blob/master/README.md>.

Author(s)

Francisco Rodriguez-Sanchez

exampledataset *How to document datasets.*

Description

This is an example showing how to document datasets included in the package (in data folder): you must specify docType and name; do not forget NULL in the end. Can include other fields, like citation. See <http://r-pkgs.had.co.nz/data.html> for further explanations.

Format

A numeric vector.

Source

This example modified from C. Boettiger's template package <https://github.com/cboettig/template>.

Examples

```
## Not run:  
data(exampledataset)  
str(exampledataset)  
  
## End(Not run)
```

examplefunction	<i>How to document functions.</i>
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Description

This is an example showing how to document functions to be included in the package.

Usage

```
examplefunction(text)
```

Arguments

text	Message to print.
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Author(s)

Francisco Rodriguez-Sanchez

See Also

<http://r-pkgs.had.co.nz/man.html>

Examples

```
examplefunction('Hello world!')
```

new_project	<i>Create new project scaffolding</i>
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Description

Create all the scaffolding for a new project in a new directory. The scaffolding includes a README file, different folders to hold raw data, analyses, etc, and optionally also test that infrastructure. Also, optionally, set a private or public GitHub repo with continuous integration (Travis-CI, GitHub Actions...).

Usage

```
new_project(  
  name,  
  path = ".",  
  package = TRUE,  
  github = FALSE,  
  private.repo = TRUE,  
  ci = "none",
```

```

makefile = TRUE,
pipe = TRUE,
testthat = FALSE,
verbose = FALSE,
open.project = TRUE
)

```

Arguments

name	Character. Name of the new project. A new folder will be created with that name.
path	Character. Path where the new project should be created (default is the current working directory).
package	Logical. Create package structure or a simple project?
github	Logical. Create GitHub repository? Note this requires some working infrastructure like git and a GITHUB_PAT. See instructions here https://usethis.r-lib.org/articles/articles/usethis-setup.html .
private.repo	Logical. Default is TRUE.
ci	Logical. Use continuous integration in your GitHub repository? Current options are "none" (default), "travis" (uses Travis-CI), "circle" (uses Circle-CI), "appveyor" (uses AppVeyor), or "gh-actions" (uses GitHub Actions).
makefile	Logical. If TRUE, adds a template makefile.R file to the project.
pipe	Logical. Use magrittr's pipe in your package?
testthat	Logical. Add testthat infrastructure?
verbose	Print verbose output in the console while creating the new project? Default is FALSE.
open.project	Logical. If TRUE (the default) will open the newly created Rstudio project in a new session.

Details

If using github = TRUE, you will be asked if you want to commit some files. Reply positively to continue.

Value

A new directory with R package structure, slightly modified.

Examples

```

## Not run:
library("template")
new_project("myproject")
new_project("myproject", github = TRUE, private.repo = TRUE)

## End(Not run)

```

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