Package 'rProject'

November 21, 2025

Title Setup R Project

Version 0.0.22

Description A collection of functions to setup R projects.

URL https://github.com/ijapesigan/rProject/, https://ijapesigan.github.io/rProject/

BugReports https://github.com/ijapesigan/rProject/issues

License MIT + file LICENSE

Encoding UTF-8

LazyData true

Roxygen list(markdown = TRUE)

VignetteBuilder knitr

Depends R (>= 3.5.0)

Imports BiocManager, cffr, covr, devtools, distro, knitr, lintr, pkgdown, quarto, Rcpp, remotes, RefManageR, rmarkdown, roxygen2, rprojroot, stats, styler, tinytex, utils

Suggests testthat

RoxygenNote 7.3.3.9000

NeedsCompilation no

Author Ivan Jacob Agaloos Pesigan [aut, cre, cph] (ORCID: <https://orcid.org/0000-0003-4818-8420>)

Maintainer Ivan Jacob Agaloos Pesigan <ijapesigan@gmail.com>

Contents

Bib 2
BibLib 3
Binary 3
Build 4
BuildIgnore 4

CFF . . . 5
Clean . . . 5
CleanPkg . . . 6
CleanProj . . . 6
CleanTinyTex . . . 7
ConfigFiles . . . 7
Coverage . . . 8
DataAnalysis . . . 8
DataProcess . . . 9
Dependencies . . . 9
Detritus . . . 10
Environment . . . 10
EnvironmentProject . . . 11
EnvironmentTokens . . . 11
InstallLocal . . . 12
LatexCompile . . . 12
LatexKnit . . . 13
LatexMake . . . 13
LatexTikzCompile . . . 14
LibPaths . . . 14
License . . . 15
Lint . . . 15
Manual . . . 16
PkgDevel . . . 16
PkgDevelGitHub . . . 17
PkgProject . . . 17
PkgProjectBioconductor . . . 18
PkgProjectGitHub . . . 18
PkgProjectVersion . . . 19
PkgRepo . . . 19
Profile . . . 20
Project . . . 20
Quarto . . . 21
ReadMe . . . 21
Site . . . 22
Style . . . 22
TinyTex . . . 23
VignettesPrecompile . . . 23
z . . . 24

Index **25**

Bib *Consolidate .bib files into a Single File*

Description

Consolidate .bib files into a Single File

Usage

```
Bib(path, bib_lib = FALSE)
```

Arguments

path	Character string. Project path.
bib_lib	Logical. If bib_lib = TRUE, build bib.bib from lib-* GitHub repositories.

Author(s)

Ivan Jacob Agaloos Pesigan

BibLib *Copy .bib Files from lib-* GitHUb Repositories*

Description

Copy .bib Files from lib-* GitHUb Repositories

Usage

```
BibLib(path)
```

Arguments

path	Character string. Project path.

Author(s)

Ivan Jacob Agaloos Pesigan

Binary *Setup Binaries not Included in the Package*

Description

Setup Binaries not Included in the Package

Usage

```
Binary(path)
```

Arguments

path	Character string. Project path.

Author(s)

Ivan Jacob Agaloos Pesigan

Build *Build Package*

Description

Build Package

Usage

```
Build(path, vignettes = FALSE, dependencies = FALSE)
```

Arguments

path	Character string. Project path.
vignettes	Logical. Build vignettes.
dependencies	Logical. Install package dependencies.

Author(s)

Ivan Jacob Agaloos Pesigan

BuildIgnore *Build* .Rbuildignore

Description

Build .Rbuildignore

Usage

```
BuildIgnore(path, project, add = NULL)
```

Arguments

path	Character string. Project path.
project	Character string. Project name.
add	Character vector. Items to add to .Rbuildignore.

Author(s)

Ivan Jacob Agaloos Pesigan

CFF *Build* CITATION.cff

Description

Build CITATION.cff

Usage

```
CFF(path)
```

Arguments

path	Character string. Project path.

Author(s)

Ivan Jacob Agaloos Pesigan

Clean *Clean Files Generated on Build*

Description

Delete all output files that are generated on automated build.

Usage

```
Clean(path, push = FALSE)
```

Arguments

path	Character string. Project path.
push	Logical. If push = TRUE clean in preparation for git push.

Author(s)

Ivan Jacob Agaloos Pesigan

CleanPkg *Clean R Packages*

Description

Uninstall R packages with priority = "NA".

Usage

```
CleanPkg(path)
```

Arguments

path	Character string. Project path.

Author(s)

Ivan Jacob Agaloos Pesigan

CleanProj *Clean Project*

Description

Remove all files except `project.Rproj` and, optionally, `.library`.

Usage

```
CleanProj(path, lib = FALSE, sim = FALSE, sif = FALSE)
```

Arguments

`path`	Character string. Project path.
`lib`	Logical. If `lib = TRUE`, delete `.library`. If `lib = FALSE`, `.library` is not deleted.
`sim`	Logical. If `sim = TRUE`, delete `.sim`. If `sim = FALSE`, `.sim` is not deleted.
`sif`	Logical. If `sif = TRUE`, delete `.sif`. If `sif = FALSE`, `.sif` is not deleted.

Author(s)

Ivan Jacob Agaloos Pesigan

CleanTinyTex *Clean ~/.TinyTex*

Description

Uninstall `TinyTex`.

Usage

```
CleanTinyTex(path)
```

Arguments

`path`	Character string. Project path.

Author(s)

Ivan Jacob Agaloos Pesigan

ConfigFiles *Setup Config Files*

Description

Setup Config Files

Usage

```
ConfigFiles(git_user)
```

Arguments

git_user	Character string. Git user.

Details

This function requires a `dotfiles` GitHub repository.

Author(s)

Ivan Jacob Agaloos Pesigan

Coverage *Code Coverage*

Description

Code Coverage

Usage

```
Coverage(path)
```

Arguments

path	Character string. Project path.

Author(s)

Ivan Jacob Agaloos Pesigan

DataAnalysis *Data Analysis*

Description

Execute R scripts in `data-analysis`.

Usage

```
DataAnalysis(path, clean = FALSE)
```

Arguments

`path`	Character string. Project path.
`clean`	Logical. Remove all `.Rds` files in `data-process` and `data-analysis` before running.

Author(s)

Ivan Jacob Agaloos Pesigan

DataProcess *Process Data*

Description

Execute R scripts in `data-process`.

Usage

```
DataProcess(path, clean = FALSE)
```

Arguments

`path`	Character string. Project path.
`clean`	Logical. Remove all `.Rds` files in `data-process` before running.

Author(s)

Ivan Jacob Agaloos Pesigan

Dependencies *Copy Dependencies to from* `.setup/r-dependencies` *to* `R`

Description

Copy Dependencies to from `.setup/r-dependencies` to `R`

Usage

```
Dependencies(path)
```

Arguments

`path`	Character string. Project path.

Author(s)

Ivan Jacob Agaloos Pesigan

Detritus *Create* `detritus/tex/tex-fig-*`

Description

Create `detritus/tex/tex-fig-*`

Usage

```
Detritus(path)
```

Arguments

`path`	Character string. Project path.

Author(s)

Ivan Jacob Agaloos Pesigan

Environment *Setup* .Renviron

Description

Setup .Renviron

Usage

```
Environment(path, project, tokens)
```

Arguments

path	Character string. Project path.
project	Character string. Project name.
tokens	Named vector of tokens.

Author(s)

Ivan Jacob Agaloos Pesigan

EnvironmentProject *Set* PROJECT *Environment Variable*

Description

Set PROJECT Environment Variable

Usage

```
EnvironmentProject(project)
```

Arguments

project	Character string. Project name.

Value

Returns project name.

Author(s)

Ivan Jacob Agaloos Pesigan

EnvironmentTokens *Set Tokens*

Description

Set Tokens

Usage

```
EnvironmentTokens(tokens)
```

Arguments

tokens	Named vector of tokens.

Value

Returns vector of secret tokens.

Author(s)

Ivan Jacob Agaloos Pesigan

InstallLocal *Install Applications on Local Machine*

Description

Install Applications on Local Machine

Usage

```
InstallLocal(
  what = c("tmux", "julia", "mpdemo", "lazygit", "pfetch", "quarto"),
  all = FALSE,
  force = FALSE
)
```

Arguments

what	Character string. Vector of applications to install. Valid values include "tmux", "julia", "mpdemo", "lazygit", "pfetch", and "quarto".
all	Logical. If all = TRUE, ignore what and install all valid what values.
force	Logical. If force = TRUE, install whether or not the application is available in the system.

Author(s)

Ivan Jacob Agaloos Pesigan

LatexCompile *Compile Output of* LatexKnit

Description

Compile Output of LatexKnit

Usage

```
LatexCompile(path, clean = FALSE)
```

Arguments

path	Character string. Project path.
clean	Logical. Clean latexmk output except *.pdf

Author(s)

Ivan Jacob Agaloos Pesigan

LatexKnit *Knit* .setup/latex/*.Rtex

Description

Knit .setup/latex/*.Rtex

Usage

```
LatexKnit(path)
```

Arguments

path	Character string. Project path.

Author(s)

Ivan Jacob Agaloos Pesigan

LatexMake *Compile Output of* LatexKnit

Description

Compile Output of LatexKnit

Usage

```
LatexMake(path, clean = FALSE)
```

Arguments

path	Character string. Project path.
clean	Logical. Clean latexmk output except *.pdf

Author(s)

Ivan Jacob Agaloos Pesigan

LatexTikzCompile *Compile Tikz*

Description

Compile Tikz

Usage

```
LatexTikzCompile(path, clean = FALSE)
```

Arguments

path	Character string. Project path.
clean	Logical. Clean latexmk output except *.pdf

Author(s)

Ivan Jacob Agaloos Pesigan

LibPaths *Add* .library *to Library Paths*

Description

- creates a folder .library on the project path if it does not exist
- creates a .gitignore file inside .library if it does not exist
- adds .library to .libPaths()
- sets R_LIBS_USER to .library

Usage

```
LibPaths(path)
```

Arguments

path	Character string. Project path.

Value

Returns the path of .library.

Author(s)

Ivan Jacob Agaloos Pesigan

License *Generate License File*

Description

Generate License File

Usage

```
License(path, type = "mit")
```

Arguments

path	Character string. Project path.
type	Character string. License type. Available values include "mit" and "gpl3".

Author(s)

Ivan Jacob Agaloos Pesigan

Lint *Lint Project*

Description

Lint Project

Usage

```
Lint(path)
```

Arguments

path	Character string. Project path.

Author(s)

Ivan Jacob Agaloos Pesigan

Manual *Package Manual*

Description

Package Manual

Usage

```
Manual(path, project)
```

Arguments

path	Character string. Project path.
project	Character string. Project name.

PkgDevel *Install Development Packages from CRAN*

Description

Install Development Packages from CRAN

Usage

```
PkgDevel(path)
```

Arguments

path	Character string. Project path.

Author(s)

Ivan Jacob Agaloos Pesigan

PkgDevelGitHub *Install Development Packages from GitHub*

Description

Install Development Packages from GitHub

Usage

```
PkgDevelGitHub(path)
```

Arguments

path	Character string. Project path.

Author(s)

Ivan Jacob Agaloos Pesigan

PkgProject *Install Project Packages from CRAN*

Description

Install Project Packages from CRAN

Usage

```
PkgProject(path, pkg)
```

Arguments

path	Character string. Project path.
pkg	Character vector. R packages.

Author(s)

Ivan Jacob Agaloos Pesigan

PkgProjectBioconductor *Install Project Packages from Bioconductor*

Description

Install Project Packages from Bioconductor

Usage

```
PkgProjectBioconductor(path, pkg)
```

Arguments

path	Character string. Project path.
pkg	Character vector. Bioconductor packages.

Author(s)

Ivan Jacob Agaloos Pesigan

PkgProjectGitHub *Install Project Packages from GitHub*

Description

Install Project Packages from GitHub

Usage

```
PkgProjectGitHub(path, pkg, ref = "HEAD")
```

Arguments

path	Character string. Project path.
pkg	Character vector. GitHub packages.
ref	Character vector. Git branch.

Author(s)

Ivan Jacob Agaloos Pesigan

PkgProjectVersion *Install Project Packages with Specific Version*

Description

Install Project Packages with Specific Version

Usage

```
PkgProjectVersion(path, pkg, ver)
```

Arguments

path	Character string. Project path.
pkg	Character vector. R packages.
ver	Character vector. Version.

Author(s)

Ivan Jacob Agaloos Pesigan

PkgRepo *Setup RStudio Package Manager Repository Based on the Current Operating System*

Description

Setup RStudio Package Manager Repository Based on the Current Operating System

Usage

```
PkgRepo(path)
```

Arguments

path	Character string. Project path.

Value

Returns the repository url.

Author(s)

Ivan Jacob Agaloos Pesigan

Profile *Setup* .Rprofile

Description

Setup .Rprofile

Usage

```
Profile(path, project)
```

Arguments

path	Character string. Project path.
project	Character string. Project name.

Author(s)

Ivan Jacob Agaloos Pesigan

Project *Setup the project.Rproj file*

Description

Setup the project.Rproj file

Usage

```
Project(path)
```

Arguments

path	Character string. Project path.

Author(s)

Ivan Jacob Agaloos Pesigan

Quarto *Render Quarto Project*

Description

Render Quarto Project

Usage

```
Quarto(path)
```

Arguments

path	Character string. Project path.

Author(s)

Ivan Jacob Agaloos Pesigan

ReadMe *Build README.md*

Description

Build README.md

Usage

```
ReadMe(path)
```

Arguments

path	Character string. Project path.

Author(s)

Ivan Jacob Agaloos Pesigan

Site *Build Website*

Description

Build Website

Usage

```
Site(path)
```

Arguments

path	Character string. Project path.

Author(s)

Ivan Jacob Agaloos Pesigan

`Style` *Style Project*

Description

Style Project

Usage

```
Style(path)
```

Arguments

`path`	Character string. Project path.

Author(s)

Ivan Jacob Agaloos Pesigan

`TinyTex` *Install* `~/.TinyTex`

Description

Install `~/.TinyTex`

Usage

```
TinyTex(path, bundle = "TinyTeX-2", force = FALSE)
```

Arguments

`path`	Character string. Project path.
`bundle`	The bundle name of TinyTeX (which determines the collection of LaTeX packages to install). See https://github.com/rstudio/tinytex-releases#releases for all possible bundles and their meanings.
`force`	Logical. Force install.

Author(s)

Ivan Jacob Agaloos Pesigan

VignettesPrecompile *Precompile Vignettes*

Description

Precompile Vignettes

Usage

```
VignettesPrecompile(path)
```

Arguments

path	Character string. Project path.

Author(s)

Ivan Jacob Agaloos Pesigan

z *Data from the Standard Normal Distribution*

Description

Data from the Standard Normal Distribution

Usage

```
z
```

Format

A vector of length 100.

Index

∗ **data**
    z, 24

Bib, 2
BibLib, 3
Binary, 3
Build, 4
BuildIgnore, 4

CFF, 5
Clean, 5
CleanPkg, 6
CleanProj, 6
CleanTinyTex, 7
ConfigFiles, 7
Coverage, 8

DataAnalysis, 8
DataProcess, 9
Dependencies, 9
Detritus, 10

Environment, 10
EnvironmentProject, 11
EnvironmentTokens, 11

InstallLocal, 12

LatexCompile, 12
LatexKnit, 13
LatexMake, 13
LatexTikzCompile, 14
LibPaths, 14
License, 15
Lint, 15

Manual, 16

PkgDevel, 16
PkgDevelGitHub, 17
PkgProject, 17
PkgProjectBioconductor, 18
PkgProjectGitHub, 18
PkgProjectVersion, 19
PkgRepo, 19
Profile, 20
Project, 20

Quarto, 21

ReadMe, 21

Site, 22
Style, 22

TinyTex, 23

VignettesPrecompile, 23

z, 24