# Package 'rProject'

September 4, 2023

September 4, 2023
Title Setup R Project
Version 0.0.5
<b>Description</b> A collection of functions to setup R projects.
<pre>URL https://github.com/ijapesigan/rProject/,</pre>
https://ijapesigan.github.io/rProject/
BugReports https://github.com/ijapesigan/rProject/issues
License MIT + file LICENSE
Encoding UTF-8
LazyData true
<b>Roxygen</b> list(markdown = TRUE)
VignetteBuilder knitr
<b>Depends</b> R (>= $3.5.0$ )
Imports cffr, covr, devtools, distro, knitr, lintr, pkgdown, quarto, Rcpp, remotes, RefManageR, rmarkdown, roxygen2, rprojroot, stats, styler, tinytex, utils
Suggests testthat
RoxygenNote 7.2.3
NeedsCompilation no
Author Ivan Jacob Agaloos Pesigan [aut, cre, cph] ( <a href="https://orcid.org/0000-0003-4818-8420">https://orcid.org/0000-0003-4818-8420</a> )
Maintainer Ivan Jacob Agaloos Pesigan <ijapesigan@gmail.com></ijapesigan@gmail.com>
R topics documented:
Bib          BibLib          Binary          Build          BuildIgnore

2 Bib

Bib	Consolidate .bib files into a Single File		
mucx		<b></b>	
Index		24	
		23	
	•	22	
		22	
		21	
		21	
		20	
	5	20	
		19	
		19	
	· ·	18	
	e ,	18	
	e ,	17	
	e	17	
	e	16	
		16	
		15	
		14 15	
		14 14	
		13	
		13	
	1 · · · · · · · · · · · · · · · · · · ·	12	
		12	
		11	
		11	
		10	
	Detritus	10	
	Dependencies	9	
	DataProcess	9	
	DataAnalysis	8	
	Coverage	8	
	ConfigFiles	7	
	CleanTinyTex	7	
	CleanPkg	6	
	Clean	5	
	CFF	5	

# Description

Consolidate .bib files into a Single File

BibLib 3

#### 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.

4 BuildIgnore

#### 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

 ${\it Build}$  . 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)

CFF 5

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)

6 CleanProj

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)
```

#### **Arguments**

path Character string. Project path.

lib Logical. If lib = TRUE, delete .library. If lib = FALSE, .library is not

deleted.

# Author(s)

CleanTinyTex 7

 ${\tt CleanTinyTex}$ 

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)

8 DataAnalysis

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)

DataProcess 9

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)

10 Environment

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

 ${\it Setup}$  . 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)

EnvironmentProject 11

 ${\tt EnvironmentProject}$ 

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

 ${\tt EnvironmentTokens}$ 

Set Tokens

# Description

Set Tokens

# Usage

EnvironmentTokens(tokens)

# Arguments

tokens

Named vector of tokens.

# Value

Returns vector of secret tokens.

#### Author(s)

12 LatexCompile

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)

LatexKnit 13

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

 ${\tt LatexMake}$ 

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)

14 License

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)

Lint 15

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.

PkgDevelGitHub

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

 ${\tt PkgDevelGitHub}$ 

Install Development Packages from GitHub

# Description

Install Development Packages from GitHub

#### Usage

PkgDevelGitHub(path)

# Arguments

path

Character string. Project path.

#### Author(s)

PkgProject 17

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

 ${\sf PkgProjectGitHub}$ 

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)

18 PkgRepo

 ${\tt PkgProjectVersion}$ 

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 Op-

erating 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)

Profile 19

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)

20 ReadMe

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)

Site 21

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)

22 VignettesPrecompile

 ${\tt TinyTex}$ 

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 pack-

ages 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

# Description

Precompile Vignettes

#### Usage

VignettesPrecompile(path)

#### **Arguments**

path

Character string. Project path.

#### Author(s)

z 23

Data from the Standard Normal Distribution

# Description

Data from the Standard Normal Distribution

# Usage

Z

z

# **Format**

A vector of length 100.

# **Index**

* data z, 23 Bib, 2	PkgProjectVersion, 18 PkgRepo, 18 Profile, 19 Project, 19
BibLib, 3 Binary, 3 Build, 4	Quarto, 20
BuildIgnore, 4	ReadMe, 20
CFF, 5 Clean, 5 CleanPkg, 6	Site, 21 Style, 21
CleanProj, 6	TinyTex, 22
CleanTinyTex, 7 ConfigFiles, 7	VignettesPrecompile, 22
Coverage, 8	z, 23
DataAnalysis, 8 DataProcess, 9 Dependencies, 9 Detritus, 10	
Environment, 10 EnvironmentProject, 11 EnvironmentTokens, 11	
InstallLocal, 12	
LatexCompile, 12 LatexKnit, 13 LatexMake, 13 LibPaths, 14 License, 14 Lint, 15	
Manual, 15	
PkgDevel, 16 PkgDevelGitHub, 16 PkgProject, 17 PkgProjectGitHub, 17	