

Package ‘rProject’

July 7, 2023

Title Setup R Project

Version 0.0.0.9000

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

Roxygen list(markdown = TRUE)

VignetteBuilder knitr

Depends R (>= 3.0.0)

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

Suggests testthat

RoxygenNote 7.2.3

NeedsCompilation no

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

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

R topics documented:

Binary	2
Build	3
BuildIgnore	3
CFF	4
Clean	4
CleanPkg	5
CleanProj	5
CleanTinyTex	6

ConfigFiles	6
Coverage	7
DataAnalysis	7
DataProcess	8
Dependencies	8
Detritus	9
Environment	9
EnvironmentProject	10
EnvironmentTokens	10
InstallLocal	11
LatexCompile	11
LatexKnit	12
LatexMake	12
LibPaths	13
Lint	13
Manual	14
PkgDevel	14
PkgDevelGitHub	15
PkgProject	15
PkgProjectGitHub	16
PkgProjectVersion	16
PkgRepo	17
Profile	17
Project	18
Quarto	18
ReadMe	19
Site	19
Style	20
TinyTex	20
VignettesPrecompile	21
Index	22

Binary	<i>Setup Binaries not Included in the Package</i>
--------	---

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	<i>Build CITATION.cff</i>
-----	---------------------------

Description

Build CITATION.cff

Usage

CFF(path)

Arguments

path	Character string. Project path.
------	---------------------------------

Author(s)

Ivan Jacob Agaloos Pesigan

Clean	<i>Clean Files Generated on Build</i>
-------	---------------------------------------

Description

Delete all output files that are generated on automated build.

Usage

Clean(path)

Arguments

path	Character string. Project path.
------	---------------------------------

Author(s)

Ivan Jacob Agaloos Pesigan

CleanPkg	<i>Clean R Packages</i>
----------	-------------------------

Description

Uninstall R packages with priority = "NA".

Usage

```
CleanPkg(path)
```

Arguments

path	Character string. Project path.
------	---------------------------------

Author(s)

Ivan Jacob Agaloos Pesigan

CleanProj	<i>Clean Project</i>
-----------	----------------------

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)

Ivan Jacob Agaloos Pesigan

CleanTinyTex	<i>Clean ~/.TinyTex</i>
--------------	-------------------------

Description

Uninstall TinyTex.

Usage

CleanTinyTex(path)

Arguments

path	Character string. Project path.
------	---------------------------------

Author(s)

Ivan Jacob Agaloos Pesigan

ConfigFiles	<i>Setup Config Files</i>
-------------	---------------------------

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	<i>Set PROJECT Environment Variable</i>
--------------------	---

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	<i>Set Tokens</i>
-------------------	-------------------

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	<i>Install Applications on Local Machine</i>
--------------	--

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	<i>Compile Output of LatexKnit</i>
--------------	------------------------------------

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	<i>Knit latexsrc/*.Rtex</i>
-----------	-----------------------------

Description

Knit latexsrc/*.Rtex

Usage

LatexKnit(path)

Arguments

path	Character string. Project path.
------	---------------------------------

Author(s)

Ivan Jacob Agaloos Pesigan

LatexMake	<i>Compile Output of LatexKnit</i>
-----------	------------------------------------

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

LibPaths	<i>Add .library to Library Paths</i>
----------	--------------------------------------

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

Lint	<i>Lint Project</i>
------	---------------------

Description

Lint Project

Usage

```
Lint(path)
```

Arguments

path	Character string. Project path.
------	---------------------------------

Author(s)

Ivan Jacob Agaloos Pesigan

Manual	<i>Package Manual</i>
--------	-----------------------

Description

Package Manual

Usage

Manual(path, project)

Arguments

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

PkgDevel	<i>Install Development Packages from CRAN</i>
----------	---

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

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	<i>Setup RStudio Package Manager Repository Based on the Current Operating System</i>
---------	---

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	<i>Setup .Rprofile</i>
---------	------------------------

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	<i>Setup the project.Rproj file</i>
---------	-------------------------------------

Description

Setup the project.Rproj file

Usage

Project(path)

Arguments

path	Character string. Project path.
------	---------------------------------

Author(s)

Ivan Jacob Agaloos Pesigan

Quarto	<i>Render Quarto Project</i>
--------	------------------------------

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, force = FALSE)

Argumentspath Character string. Project path.
force Logical. Force install.**Author(s)**

Ivan Jacob Agaloos Pesigan

VignettesPrecompile	<i>Precompile Vignettes</i>
---------------------	-----------------------------

Description

Precompile Vignettes

Usage

```
VignettesPrecompile(path)
```

Arguments

path	Character string. Project path.
------	---------------------------------

Author(s)

Ivan Jacob Agaloos Pesigan

Index

Binary, [2](#)
Build, [3](#)
BuildIgnore, [3](#)

CFF, [4](#)
Clean, [4](#)
CleanPkg, [5](#)
CleanProj, [5](#)
CleanTinyTex, [6](#)
ConfigFiles, [6](#)
Coverage, [7](#)

DataAnalysis, [7](#)
DataProcess, [8](#)
Dependencies, [8](#)
Detritus, [9](#)

Environment, [9](#)
EnvironmentProject, [10](#)
EnvironmentTokens, [10](#)

InstallLocal, [11](#)

LatexCompile, [11](#)
LatexKnit, [12](#)
LatexMake, [12](#)
LibPaths, [13](#)
Lint, [13](#)

Manual, [14](#)

PkgDevel, [14](#)
PkgDevelGitHub, [15](#)
PkgProject, [15](#)
PkgProjectGitHub, [16](#)
PkgProjectVersion, [16](#)
PkgRepo, [17](#)
Profile, [17](#)
Project, [18](#)

Quarto, [18](#)

ReadMe, [19](#)

Site, [19](#)
Style, [20](#)

TinyTex, [20](#)

VignettesPrecompile, [21](#)