

Package ‘rProject’

November 8, 2022

Title Setup R Project

Version 0.0.0.9000

Description A collection of functions to setup R projects.

URL <https://github.com/jeksterslab/rProject/>,
<https://jeksterslab.github.io/rProject/>

BugReports <https://github.com/jeksterslab/rProject/issues>

License MIT + file LICENSE

Encoding UTF-8

Roxygen list(markdown = TRUE)

Depends R (>= 3.0.0)

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

Suggests rmarkdown, testthat

RoxygenNote 7.2.1

NeedsCompilation no

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

Maintainer Ivan Jacob Agaloos Pesigan <r.jeksterslab@gmail.com>

R topics documented:

Binary	2
Build	3
BuildIgnore	3
Clean	4
CleanPkg	4
CleanTinyTex	5
Coverage	5
DataAnalysis	6
DataProcess	6

Dependencies	7
Detritus	7
Environment	8
EnvironmentProject	8
EnvironmentTokens	9
LatexCompile	9
LatexKnit	10
LatexMake	10
LibPaths	11
Lint	11
Manual	12
PkgDevel	12
PkgDevelGitHub	13
PkgProject	13
PkgProjectGitHub	14
PkgProjectVersion	14
PkgRepo	15
Profile	15
Project	16
Site	16
Style	17
TinyTex	17
VignettesPrecompile	18
Index	19

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	<i>Build Package</i>
-------	----------------------

Description

Build Package

Usage

Build(path, vignettes = FALSE)

Arguments

path	Character string. Project path.
vignettes	Logical. Build vignettes.

Author(s)

Ivan Jacob Agaloos Pesigan

BuildIgnore	<i>Build .Rbuildignore</i>
-------------	----------------------------

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 in .Rbuildignore.

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)

Arguments

path Character string. Project path.

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

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

Description

Uninstall TinyTex.

Usage

CleanTinyTex(path)

Arguments

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

Author(s)

Ivan Jacob Agaloos Pesigan

Coverage	<i>Code Coverage</i>
----------	----------------------

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	<i>Setup .Renvi</i> ron
-------------	-------------------------

Description

Setup .Renvi

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

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)
```

Arguments

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

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

Site	<i>Build Website</i>
------	----------------------

Description

Build Website

Usage

Site(path)

Arguments

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

Author(s)

Ivan Jacob Agaloos Pesigan

Style	<i>Style Project</i>
-------	----------------------

Description

Style Project

Usage

Style(path)

Arguments

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

Author(s)

Ivan Jacob Agaloos Pesigan

TinyTex	<i>Install ~/.TinyTex</i>
---------	---------------------------

Description

Install ~/.TinyTex

Usage

TinyTex(path, force = FALSE)

Arguments

path	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](#)

Clean, [4](#)
CleanPkg, [4](#)
CleanTinyTex, [5](#)
Coverage, [5](#)

DataAnalysis, [6](#)
DataProcess, [6](#)
Dependencies, [7](#)
Detritus, [7](#)

Environment, [8](#)
EnvironmentProject, [8](#)
EnvironmentTokens, [9](#)

LatexCompile, [9](#)
LatexKnit, [10](#)
LatexMake, [10](#)
LibPaths, [11](#)
Lint, [11](#)

Manual, [12](#)

PkgDevel, [12](#)
PkgDevelGitHub, [13](#)
PkgProject, [13](#)
PkgProjectGitHub, [14](#)
PkgProjectVersion, [14](#)
PkgRepo, [15](#)
Profile, [15](#)
Project, [16](#)

Site, [16](#)
Style, [17](#)

TinyTex, [17](#)

VignettesPrecompile, [18](#)