Package 'rProject'

April 30, 2023

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>

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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 7.2.3

NeedsCompilation no

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R topics documented:

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)
```

Arguments

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

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 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 *Clean* ~/.TinyTex

Description

Uninstall `TinyTex`.

Usage

```
CleanTinyTex(path)
```

Arguments

path   Character string. Project path.

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

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* latexsrc/*.Rtex

Description

Knit `latexsrc/*.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

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

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

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 | *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

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)
```

Arguments

path	Character string. Project path.
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

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