Package 'rProject'

March 11, 2024

Title Setup R Project

Version 0.0.9

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

Suggests testthat

RoxygenNote 7.3.1

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:

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)
```

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 *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

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