Package 'rProject'

December 10, 2023

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Title Setup R Project
Version 0.0.5
Description 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
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 7.2.3
NeedsCompilation no
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R topics documented:
Bib

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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.

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