

Package ‘rProject’

August 1, 2023

Title Setup R Project

Version 0.0.3

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 7.2.3

NeedsCompilation no

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| | |
|-----|--|
| Bib | <i>Consolidate .bib files into a Single File</i> |
|-----|--|

Description

Consolidate .bib files into a Single File

Usage

Bib(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 | <i>Build</i> .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</i> 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

| | |
|-------------------|--|
| <code>path</code> | Character string. Project path. |
| <code>lib</code> | Logical. If <code>lib = TRUE</code> , delete <code>.library</code> . If <code>lib = FALSE</code> , <code>.library</code> is not deleted. |

Author(s)

Ivan Jacob Agaloos Pesigan

CleanTinyTex*Clean ~/.TinyTex*

Description

Uninstall TinyTex.

Usage

```
CleanTinyTex(path)
```

Arguments

| | |
|-------------------|---------------------------------|
| <code>path</code> | 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 | <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

| | |
|--------------|--|
| 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 .setup/latex/*.Rtex</i> |
|-----------|---------------------------------|

Description

Knit .setup/latex/*.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

| | |
|---------|------------------------------|
| License | <i>Generate License File</i> |
|---------|------------------------------|

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 | <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 | <i>Install Project Packages from GitHub</i> |
|------------------|---|

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 | <i>Install Project Packages with Specific Version</i> |
|-------------------|---|

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

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 | <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, 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 | <i>Precompile Vignettes</i> |
|---------------------|-----------------------------|

Description

Precompile Vignettes

Usage

VignettesPrecompile(path)

Arguments

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

Author(s)

Ivan Jacob Agaloos Pesigan

| | |
|---|---|
| z | <i>Data from the Standard Normal Distribution</i> |
|---|---|

Description

Data from the Standard Normal Distribution

Usage

z

Format

A vector of length 100.

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