

Package ‘rProject’

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Title Setup R Project

Version 0.0.0.9000

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>

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Encoding UTF-8

Roxygen list(markdown = TRUE)

VignetteBuilder knitr

Depends R (>= 3.0.0)

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

Suggests rmarkdown, testthat

RoxygenNote 7.2.3

NeedsCompilation no

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| | |
|--------|---|
| 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, 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 .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 to .Rbuildignore. |

Author(s)

Ivan Jacob Agaloos Pesigan

| | |
|-----|---------------------------|
| CFF | <i>Build CITATION.cff</i> |
|-----|---------------------------|

Description

Build CITATION.cff

Usage

CFF(path)

Arguments

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

Author(s)

Ivan Jacob Agaloos Pesigan

| | |
|-------|---------------------------------------|
| Clean | <i>Clean Files Generated on Build</i> |
|-------|---------------------------------------|

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

`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 | <i>Clean ~/.TinyTex</i> |
|--------------|-------------------------|

Description

Uninstall TinyTex.

Usage

CleanTinyTex(path)

Arguments

| | |
|------|---------------------------------|
| path | 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*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 | <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 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, 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 | <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

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