

Package ‘rProject’

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Title Setup R Project

Version 0.0.14

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

LazyData true

Roxygen list(markdown = TRUE)

VignetteBuilder knitr

Depends R (>= 3.5.0)

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

Suggests testthat

RoxygenNote 7.3.2

NeedsCompilation no

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Bib	<i>Consolidate .bib files into a Single File</i>
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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	<i>Copy .bib Files from lib-* GitHub Repositories</i>
--------	---

Description

Copy .bib Files from lib-* GitHub Repositories

Usage

```
BibLib(path)
```

Arguments

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

Author(s)

Ivan Jacob Agaloos Pesigan

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</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, sim = FALSE, sif = 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.
<code>sim</code>	Logical. If <code>sim = TRUE</code> , delete <code>.sim</code> . If <code>sim = FALSE</code> , <code>.sim</code> is not deleted.
<code>sif</code>	Logical. If <code>sif = TRUE</code> , delete <code>.sif</code> . If <code>sif = FALSE</code> , <code>.sif</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.
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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	<i>Copy Dependencies to from .setup/r-dependencies to R</i>
--------------	---

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	<i>Create detritus/tex/tex-fig-*</i>
----------	--------------------------------------

Description

Create detritus/tex/tex-fig-*

Usage

Detritus(path)

Arguments

path Character string. Project path.

Author(s)

Ivan Jacob Agaloos Pesigan

Environment	<i>Setup .Renviron</i>
-------------	------------------------

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

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.
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Author(s)

Ivan Jacob Agaloos Pesigan

LatexMake	<i>Compile Output of LatexKnit</i>
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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	<i>Compile Tikz</i>
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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	<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>
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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>
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Description

Lint Project

Usage

Lint(path)

Arguments

path Character string. Project path.

Author(s)

Ivan Jacob Agaloos Pesigan

Manual	<i>Package Manual</i>
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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	<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.
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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>
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Description

Setup the project.Rproj file

Usage

```
Project(path)
```

Arguments

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

Author(s)

Ivan Jacob Agaloos Pesigan

Quarto	<i>Render Quarto Project</i>
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Description

Render Quarto Project

Usage

Quarto(path)

Arguments

path	Character string. Project path.
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Author(s)

Ivan Jacob Agaloos Pesigan

ReadMe	<i>Build README.md</i>
--------	------------------------

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	<i>Install ~/.TinyTex</i>
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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>
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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.

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