

# Package ‘rProject’

July 1, 2023

**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>

**License** MIT + file LICENSE

**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

**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:

Binary . . . . .	2
Build . . . . .	3
BuildIgnore . . . . .	3
CFF . . . . .	4
Clean . . . . .	4
CleanPkg . . . . .	5
CleanProj . . . . .	5
CleanTinyTex . . . . .	6

ConfigFiles . . . . .	6
Coverage . . . . .	7
DataAnalysis . . . . .	7
DataProcess . . . . .	8
Dependencies . . . . .	8
Detritus . . . . .	9
Environment . . . . .	9
EnvironmentProject . . . . .	10
EnvironmentTokens . . . . .	10
InstallLocal . . . . .	11
LatexCompile . . . . .	11
LatexKnit . . . . .	12
LatexMake . . . . .	12
LibPaths . . . . .	13
Lint . . . . .	13
Manual . . . . .	14
PkgDevel . . . . .	14
PkgDevelGitHub . . . . .	15
PkgProject . . . . .	15
PkgProjectGitHub . . . . .	16
PkgProjectVersion . . . . .	16
PkgRepo . . . . .	17
Profile . . . . .	17
Project . . . . .	18
Site . . . . .	18
Style . . . . .	19
TinyTex . . . . .	19
VignettesPrecompile . . . . .	20
<b>Index</b>	<b>21</b>

---

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	<i>Clean R Packages</i>
----------	-------------------------

---

**Description**

Uninstall R packages with priority = "NA".

**Usage**

```
CleanPkg(path)
```

**Arguments**

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

**Author(s)**

Ivan Jacob Agaloos Pesigan

---

CleanProj	<i>Clean Project</i>
-----------	----------------------

---

**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

# Index

Binary, [2](#)  
Build, [3](#)  
BuildIgnore, [3](#)

CFF, [4](#)  
Clean, [4](#)  
CleanPkg, [5](#)  
CleanProj, [5](#)  
CleanTinyTex, [6](#)  
ConfigFiles, [6](#)  
Coverage, [7](#)

DataAnalysis, [7](#)  
DataProcess, [8](#)  
Dependencies, [8](#)  
Detritus, [9](#)

Environment, [9](#)  
EnvironmentProject, [10](#)  
EnvironmentTokens, [10](#)

InstallLocal, [11](#)

LatexCompile, [11](#)  
LatexKnit, [12](#)  
LatexMake, [12](#)  
LibPaths, [13](#)  
Lint, [13](#)

Manual, [14](#)

PkgDevel, [14](#)  
PkgDevelGitHub, [15](#)  
PkgProject, [15](#)  
PkgProjectGitHub, [16](#)  
PkgProjectVersion, [16](#)  
PkgRepo, [17](#)  
Profile, [17](#)  
Project, [18](#)

Site, [18](#)

Style, [19](#)

TinyTex, [19](#)

VignettesPrecompile, [20](#)