

# Package ‘rProject’

June 8, 2023

**Title** Setup R Project

**Version** 0.0.0.9000

**Description** A collection of functions to setup R projects.

**URL** <https://github.com/jeksterslab/rProject/>,  
<https://jeksterslab.github.io/rProject/>

**BugReports** <https://github.com/jeksterslab/rProject/issues>

**License** MIT + file LICENSE

**Encoding** UTF-8

**Roxygen** list(markdown = TRUE)

**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 <r.jeksterslab@gmail.com>

## R topics documented:

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

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

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Binary	<i>Setup Binaries not Included in the Package</i>
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**Description**

Setup Binaries not Included in the Package

**Usage**

Binary(path)

**Arguments**

path                      Character string. Project path.

**Author(s)**

Ivan Jacob Agaloos Pesigan

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Build	<i>Build Package</i>
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**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

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BuildIgnore	<i>Build .Rbuildignore</i>
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**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 in .Rbuildignore.

**Author(s)**

Ivan Jacob Agaloos Pesigan

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CFF	<i>Build CITATION.cff</i>
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**Description**

Build CITATION.cff

**Usage**

CFF(path)

**Arguments**

path	Character string. Project path.
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**Author(s)**

Ivan Jacob Agaloos Pesigan

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Clean	<i>Clean Files Generated on Build</i>
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**Description**

Delete all output files that are generated on automated build.

**Usage**

Clean(path)

**Arguments**

path	Character string. Project path.
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**Author(s)**

Ivan Jacob Agaloos Pesigan

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CleanPkg	<i>Clean R Packages</i>
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**Description**

Uninstall R packages with priority = "NA".

**Usage**

```
CleanPkg(path)
```

**Arguments**

path	Character string. Project path.
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**Author(s)**

Ivan Jacob Agaloos Pesigan

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CleanProj	<i>Clean Project</i>
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**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

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CleanTinyTex	<i>Clean ~/.TinyTex</i>
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**Description**

Uninstall TinyTex.

**Usage**

CleanTinyTex(path)

**Arguments**

path	Character string. Project path.
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**Author(s)**

Ivan Jacob Agaloos Pesigan

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Coverage	<i>Code Coverage</i>
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**Description**

Code Coverage

**Usage**

Coverage(path)

**Arguments**

path	Character string. Project path.
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**Author(s)**

Ivan Jacob Agaloos Pesigan

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**DataAnalysis***Data Analysis*

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**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

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**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

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Dependencies	<i>Copy Dependencies to from .setup/r-dependencies to R</i>
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**Description**

Copy Dependencies to from .setup/r-dependencies to R

**Usage**

Dependencies(path)

**Arguments**

path	Character string. Project path.
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**Author(s)**

Ivan Jacob Agaloos Pesigan

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

Create detritus/tex/tex-fig-\*

**Usage**

Detritus(path)

**Arguments**

path	Character string. Project path.
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**Author(s)**

Ivan Jacob Agaloos Pesigan



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

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EnvironmentProject	<i>Set PROJECT Environment Variable</i>
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**Description**

Set PROJECT Environment Variable

**Usage**

EnvironmentProject(project)

**Arguments**

project	Character string. Project name.
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**Value**

Returns project name.

**Author(s)**

Ivan Jacob Agaloos Pesigan

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EnvironmentTokens	<i>Set Tokens</i>
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**Description**

Set Tokens

**Usage**

EnvironmentTokens(tokens)

**Arguments**

tokens	Named vector of tokens.
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**Value**

Returns vector of secret tokens.

**Author(s)**

Ivan Jacob Agaloos Pesigan

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LatexCompile	<i>Compile Output of LatexKnit</i>
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**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

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LatexKnit	<i>Knit latexsrc/*.Rtex</i>
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### Description

Knit latexsrc/\*.Rtex

### Usage

LatexKnit(path)

### Arguments

path	Character string. Project path.
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### Author(s)

Ivan Jacob Agaloos Pesigan

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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

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LibPaths	<i>Add .library to Library Paths</i>
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**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.
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**Value**

Returns the path of `.library`.

**Author(s)**

Ivan Jacob Agaloos Pesigan

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Lint	<i>Lint Project</i>
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**Description**

Lint Project

**Usage**

```
Lint(path)
```

**Arguments**

path	Character string. Project path.
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**Author(s)**

Ivan Jacob Agaloos Pesigan

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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.

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PkgDevel	<i>Install Development Packages from CRAN</i>
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**Description**

Install Development Packages from CRAN

**Usage**

PkgDevel(path)

**Arguments**

path	Character string. Project path.
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**Author(s)**

Ivan Jacob Agaloos Pesigan

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**PkgDevelGitHub***Install Development Packages from GitHub*

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**Description**

Install Development Packages from GitHub

**Usage**

PkgDevelGitHub(path)

**Arguments**

path                      Character string. Project path.

**Author(s)**

Ivan Jacob Agaloos Pesigan

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**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>
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**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

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PkgProjectVersion	<i>Install Project Packages with Specific Version</i>
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**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

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PkgRepo	<i>Setup RStudio Package Manager Repository Based on the Current Operating System</i>
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**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

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Profile	<i>Setup .Rprofile</i>
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**Description**

Setup .Rprofile

**Usage**

Profile(path, project)

**Arguments**

path                      Character string. Project path.  
project                    Character string. Project name.

**Author(s)**

Ivan Jacob Agaloos Pesigan



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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.
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**Author(s)**

Ivan Jacob Agaloos Pesigan

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Site	<i>Build Website</i>
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**Description**

Build Website

**Usage**

Site(path)

**Arguments**

path	Character string. Project path.
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**Author(s)**

Ivan Jacob Agaloos Pesigan

Style

*Style Project*

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**Description**

Style Project

**Usage**

Style(path)

**Arguments**

path                      Character string. Project path.

**Author(s)**Ivan Jacob Agaloos Pesigan

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TinyTex

*Install ~/.TinyTex*

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**Description**

Install ~/.TinyTex

**Usage**

TinyTex(path, force = FALSE)

**Arguments**path                      Character string. Project path.  
force                      Logical. Force install.**Author(s)**

Ivan Jacob Agaloos Pesigan

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`Tmux`*Install tmux*

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**Description**

Install tmux

**Usage**

`Tmux()`

**Author(s)**

Ivan Jacob Agaloos Pesigan

---

`VignettesPrecompile`*Precompile Vignettes*

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**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](#)  
Coverage, [6](#)

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

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

LatexCompile, [10](#)  
LatexKnit, [11](#)  
LatexMake, [11](#)  
LibPaths, [12](#)  
Lint, [12](#)

Manual, [13](#)

PkgDevel, [13](#)  
PkgDevelGitHub, [14](#)  
PkgProject, [14](#)  
PkgProjectGitHub, [15](#)  
PkgProjectVersion, [15](#)  
PkgRepo, [16](#)  
Profile, [16](#)  
Project, [17](#)

Site, [17](#)  
Style, [18](#)

TinyTex, [18](#)

Tmux, [19](#)

VignettesPrecompile, [19](#)