

# Package ‘rProject’

November 21, 2025

**Title** Setup R Project

**Version** 0.0.22

**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** BiocManager, cffr, covr, devtools, distro, knitr, lintr,  
pkgdown, quarto, Rcpp, remotes, RefManageR, rmarkdown,  
roxygen2, rprojroot, stats, styler, tinytex, utils

**Suggests** testthat

**RoxygenNote** 7.3.3.9000

**NeedsCompilation** no

**Author** Ivan Jacob Agaloos Pesigan [aut, cre, cph] (ORCID:  
<<https://orcid.org/0000-0003-4818-8420>>)

**Maintainer** Ivan Jacob Agaloos Pesigan <ijapesigan@gmail.com>

## Contents

|                       |   |
|-----------------------|---|
| Bib . . . . .         | 2 |
| BibLib . . . . .      | 3 |
| Binary . . . . .      | 3 |
| Build . . . . .       | 4 |
| BuildIgnore . . . . . | 4 |

|                                  |    |
|----------------------------------|----|
| CFF . . . . .                    | 5  |
| Clean . . . . .                  | 5  |
| CleanPkg . . . . .               | 6  |
| CleanProj . . . . .              | 6  |
| CleanTinyTex . . . . .           | 7  |
| ConfigFiles . . . . .            | 7  |
| Coverage . . . . .               | 8  |
| DataAnalysis . . . . .           | 8  |
| DataProcess . . . . .            | 9  |
| Dependencies . . . . .           | 9  |
| Detritus . . . . .               | 10 |
| Environment . . . . .            | 10 |
| EnvironmentProject . . . . .     | 11 |
| EnvironmentTokens . . . . .      | 11 |
| InstallLocal . . . . .           | 12 |
| LatexCompile . . . . .           | 12 |
| LatexKnit . . . . .              | 13 |
| LatexMake . . . . .              | 13 |
| LatexTikzCompile . . . . .       | 14 |
| LibPaths . . . . .               | 14 |
| License . . . . .                | 15 |
| Lint . . . . .                   | 15 |
| Manual . . . . .                 | 16 |
| PkgDevel . . . . .               | 16 |
| PkgDevelGitHub . . . . .         | 17 |
| PkgProject . . . . .             | 17 |
| PkgProjectBioconductor . . . . . | 18 |
| PkgProjectGitHub . . . . .       | 18 |
| PkgProjectVersion . . . . .      | 19 |
| PkgRepo . . . . .                | 19 |
| Profile . . . . .                | 20 |
| Project . . . . .                | 20 |
| Quarto . . . . .                 | 21 |
| ReadMe . . . . .                 | 21 |
| Site . . . . .                   | 22 |
| Style . . . . .                  | 22 |
| TinyTex . . . . .                | 23 |
| VignettesPrecompile . . . . .    | 23 |
| z . . . . .                      | 24 |

---

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

---

**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. |
|-------------------|---------------------------------|

**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 .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

*Compile Output of LatexKnit*

---

**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

*Compile Tikz*

---

**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> |
|---------|------------------------------|

---

**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***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

---

PkgProjectBioconductor

*Install Project Packages from Bioconductor*

---

**Description**

Install Project Packages from Bioconductor

**Usage**

PkgProjectBioconductor(path, pkg)

**Arguments**

|      |  |
|------|--|
| path | Character string. Project path.          |
| pkg  | Character vector. Bioconductor 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 | <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

---

|        |                              |
|--------|------------------------------|
| Quarto | <i>Render Quarto Project</i> |
|--------|------------------------------|

---

**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 <a href="https://github.com/rstudio/tinytex-releases#releases">https://github.com/rstudio/tinytex-releases#releases</a> for all possible bundles and their meanings. |
| force  | Logical. Force install.   |

**Author(s)**

Ivan Jacob Agaloos Pesigan

|                            |   |
|----------------------------|---|
| VignettesPrecompile        | <i>Precompile Vignettes</i>                       |
| <b>Description</b>         |   |
| Precompile Vignettes       |   |
| <b>Usage</b>               |   |
| VignettesPrecompile(path)  |   |
| <b>Arguments</b>           |   |
| path                       | Character string. Project path.                   |
| <b>Author(s)</b>           |   |
| 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.



# Index

- \* **data**
  - z, [24](#)
- Bib, [2](#)
- BibLib, [3](#)
- Binary, [3](#)
- Build, [4](#)
- BuildIgnore, [4](#)
- CFF, [5](#)
- Clean, [5](#)
- CleanPkg, [6](#)
- CleanProj, [6](#)
- CleanTinyTex, [7](#)
- ConfigFiles, [7](#)
- Coverage, [8](#)
- DataAnalysis, [8](#)
- DataProcess, [9](#)
- Dependencies, [9](#)
- Detritus, [10](#)
- Environment, [10](#)
- EnvironmentProject, [11](#)
- EnvironmentTokens, [11](#)
- InstallLocal, [12](#)
- LatexCompile, [12](#)
- LatexKnit, [13](#)
- LatexMake, [13](#)
- LatexTikzCompile, [14](#)
- LibPaths, [14](#)
- License, [15](#)
- Lint, [15](#)
- Manual, [16](#)
- PkgDevel, [16](#)
- PkgDevelGitHub, [17](#)
- PkgProject, [17](#)
- PkgProjectBioconductor, [18](#)
- PkgProjectGitHub, [18](#)
- PkgProjectVersion, [19](#)
- PkgRepo, [19](#)
- Profile, [20](#)
- Project, [20](#)
- Quarto, [21](#)
- ReadMe, [21](#)
- Site, [22](#)
- Style, [22](#)
- TinyTex, [23](#)
- VignettesPrecompile, [23](#)
- z, [24](#)