# Package 'rProject'

June 2, 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

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## R topics documented:

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Binary                              *Setup Binaries not Included in the Package*

---

## 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 | *Build Package* |
|---|---|

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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 | *Build* .Rbuildignore |
|---|---|

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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                                     *Build* 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)
```

### 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

---

CleanTinyTex                *Clean* `~/.TinyTex`

---

### Description

Uninstall `TinyTex`.

### Usage

```
CleanTinyTex(path)
```

### Arguments

path            Character string. Project path.

### 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

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| 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 *Set* PROJECT *Environment Variable*

---

### 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 *Set Tokens*

---

### Description

Set Tokens

### Usage

```
EnvironmentTokens(tokens)
```

### Arguments

tokens         Named vector of tokens.

### Value

Returns vector of secret tokens.

### 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* latexsrc/*.Rtex

---

### Description

Knit latexsrc/*.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

---

LibPaths                     *Add* .library *to Library Paths*

---

### 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                            *Lint Project*

---

### Description

Lint Project

### Usage

```
Lint(path)
```

### Arguments

path              Character string. Project path.

### Author(s)

Ivan Jacob Agaloos Pesigan

---

Manual                          *Package Manual*

---

### 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)
```

### Arguments

| | |
|---|---|
| path | Character string. Project path. |
| pkg | Character vector. GitHub packages. |

### 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        *Setup RStudio Package Manager Repository Based on the Current Operating System*

---

### 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 | *Setup* .Rprofile |
|---------|-------------------|

### 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 | *Setup the project.Rproj file* |
|---------|--------------------------------|

### Description

Setup the project.Rproj file

### Usage

```
Project(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                         *Install ~/.TinyTex*

---

### 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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VignettesPrecompile     *Precompile Vignettes*

---

### Description

Precompile Vignettes

### Usage

```
VignettesPrecompile(path)
```

### Arguments

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

### Author(s)

Ivan Jacob Agaloos Pesigan

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