

Package ‘alluseful’

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Title Contains my personal templates, functions, themes etc.

Version 0.0.0.9000

Description This is a personal package created to contain all the useful elements I need for effective coding. It contains functions to set up my rstudio IDE how I like, personalised themes, templates for scripts, packages etc. It is not intended for distribution or use by anyone else.

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Encoding UTF-8

Imports cli (>= 3.6.2), credentials (>= 2.0.1), devtools (>= 2.4.5), fs (>= 1.6.4), gert (>= 2.1.0), gitcreds (>= 0.1.2), glue (>= 1.7.0), here (>= 1.0.1), magrittr (>= 2.0.3), pkgbuild (>= 1.4.4), quarto (>= 1.4.4), rstudioapi (>= 0.16.0), stringr (>= 1.5.1), usethis (>= 3.0.0)

Roxygen list(markdown = TRUE)

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Suggests testthat (>= 3.0.0)

Config/testthat/edition 3

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R topics documented:

useful_proj_template	2
useful_readme	2
useful_roxygen_addin	3
useful_script	3
useful_script_addin	4
useful_script_template	5
Index	7

useful_proj_template	<i>Function for RStudio project template</i>
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Description

This is a function that is called in the "New project" viewer pane when the user chooses the useful project template. It should not be used away from the RStudio "New project" viewer.

I have not included additional information on how to use this function, as it is not intended to be used outside the template call.

To subsequently link this to a github repo, the best plan is to use `fs_use_github()`.

Usage

```
useful_proj_template(path, ...)
```

Author(s)

Josh Moatt

useful_readme	<i>Create a README using my template</i>
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Description

Use this function to create a README for a project.

Usage

```
useful_readme(
  format = c("markdown", "github", "html"),
  file_path = NULL,
  readme_title = NULL
)
```

Arguments

format	controls the output format of the README. Default is "markdown", but can be "html" or "github".
file_path	string containing file path where README will be saved.
readme_title	string containing README title. If no string provided will be set to "README (edit title)".

Details

This function will create a README for a project using a pre-defined template. The function will create a Quarto (.qmd) file and do a first render producing a desired output.

The output type can be controlled using the format option (default is markdown). Can also be html or github (gfm).

Value

Output is a .qmd file containing the desired README template and an initial render of the README in the desired output.

Author(s)

Josh Moatt

useful_roxygen_addin *Addin to open new script with roxygen template*

Description

This addin will open a new blank R script which is populated with a standard roxygen header.

Usage

```
useful_roxygen_addin()
```

Details

This addin will create a new blank script that is populated with standard roxygen header.

Addins must use the rstudioapi package. This addin uses the `documentNew()` function from the rstudioapi package to open the new R script.

Note: this opens an normal untitled script. It must be manually saved in the correct directory.

Value

A script will open in RStudio.

Author(s)

Josh Moatt

useful_script *Create a new script with my header.*

Description

This function will create a new script with my header added.

Usage

```
useful_script(  
  file_name = NULL,  
  file_path = NULL,  
  project = NULL,  
  date = format(Sys.Date(), "%d/%m/%Y")  
)
```

Arguments

file_name	string containing desired name for script.
file_path	string containing folder name to save script. This is built on the here function in R, so will follow your root directory. If you want to save in a sub-folder, enter the full folder sequence, e.g. "folder/sub-folder".
date	string containing a date. By default, this will be set as today's date.

Value

An R script will be saved in the root directory or in the specified folder.

Author(s)

Josh Moatt

useful_script_addin	<i>Addin to open new script with my template</i>
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Description

This addin will open a new blank R script which is populated with my header.

Usage

```
useful_script_addin()
```

Details

This addin will create a new blank script that is populated with my template header.

Addins must use the rstudioapi package. This addin uses the `documentNew()` function from the rstudioapi package to open the new R script.

Note: this opens an normal untitled script. It must be manually saved in the correct directory.

Value

A script will open in RStudio.

Author(s)

Josh Moatt

`useful_script_template`*Create an default R script template.*

Description

This function can be used to create a default R script template. All scripts opened from this point will have this template applied as a header.

Usage

```
useful_script_template(  
  format = c("mine", "custom", "manual_edit", "blank"),  
  template = NULL  
)
```

Arguments

<code>format</code>	what format the template will take. There are four options: "mine" (my default template), "custom" will apply a custom template (provided as a string), "manual_edit" will open the template so you can manually edit the template, and "blank" can be used to remove all pre-existing templates. Note: manual edit can also be used to edit existing templates.
<code>template</code>	default is NULL, only used if <code>format = "custom"</code> . Used to provide custom template design. Must be provided as a string. Must be provided if using <code>format = "custom"</code> or the function will return an error.

Details

This function is used to create a new template for R scripts. This will be the default that all subsequent R scripts opened will contain. By doing this it should be easier to follow best practice and properly comment all scripts you create.

The default is stored in the appdata folder on your c drive: "`~/AppData/Roaming/RStudio`". It will create a "templates" folder where the default will be stored.

The function has various ways it can work which will give you the ability to create whatever header template you wish. It has four ways formatting options:

- mine
- custom
- manual_edit
- blank

"mine" will pre-load the default script with my template.

"custom" will allow you to provide your own custom template as a string, which will then be added to the default.

"manual" will allow you to manually edit the default template. It will open it in your R studio window and manual edits can be saved. Note, this can also be used to tweak a pre-existing template (e.g. to add your name and email to all scripts).

"blank" will delete the default R script and template. This returns R back to normal, and any script opened subsequently will be blank.

Value

New .R file created at "~/AppData/Roaming/RStudio/templates/default.R" containing the script template

Author(s)

Josh Moatt

Index

`documentNew()`, [3](#), [4](#)

`fs_use_github()`, [2](#)

`useful_proj_template`, [2](#)

`useful_readme`, [2](#)

`useful_roxygen_addin`, [3](#)

`useful_script`, [3](#)

`useful_script_addin`, [4](#)

`useful_script_template`, [5](#)