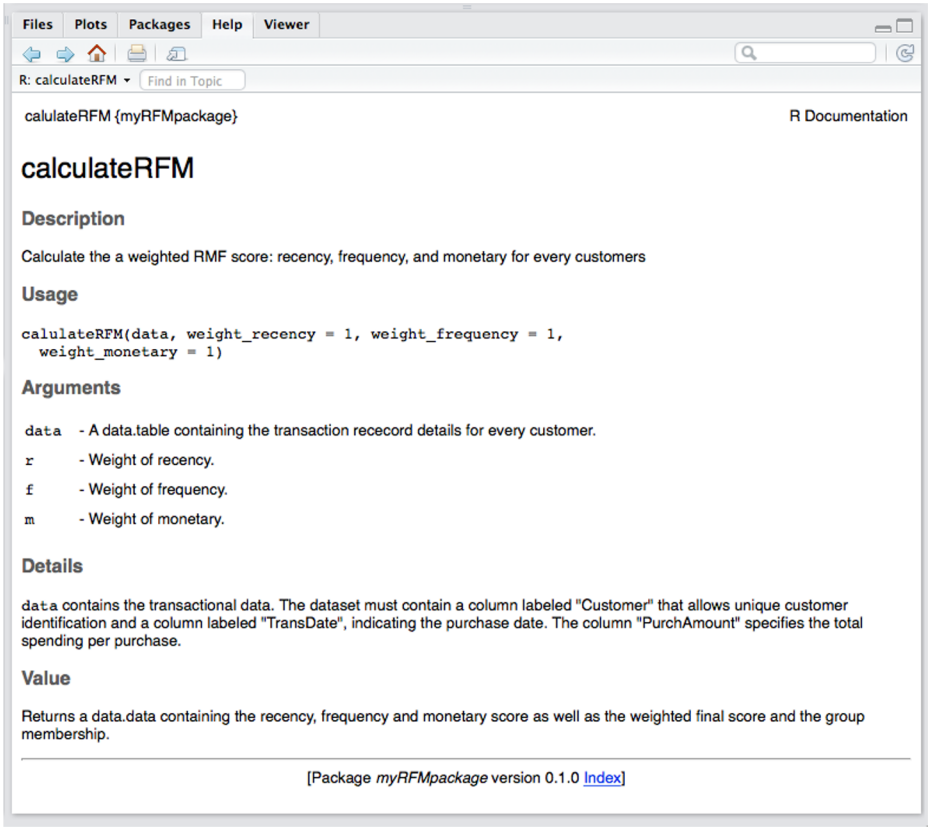
Keep calm and read the manual!

Document your package!

Provide a detailed documentation for your package

- Enable others to really use your package
- Save time when using the package later on
- In-source documentation integrates easily with your code and makes it easy to change/generate documentation



Files | Plots | Packages | Help | Viewer

R: calculateRFM — Find in Topic

calulateRFM {myRFMpackage} — R Documentation

calculateRFM

Description

Calculate the a weighted RMF score: recency, frequency, and monetary for every customers

Usage

```
calulateRFM(data, weight_recency = 1, weight_frequency = 1,
  weight_monetary = 1)
```

Arguments

`data`	- A data.table containing the transaction rececord details for every customer.
`r`	- Weight of recency.
`f`	- Weight of frequency.
`m`	- Weight of monetary.

Details

`data` contains the transactional data. The dataset must contain a column labeled "Customer" that allows unique customer identification and a column labeled "TransDate", indicating the purchase date. The column "PurchAmount" specifies the total spending per purchase.

Value

Returns a data.data containing the recency, frequency and monetary score as well as the weighted final score and the group membership.

[Package *myRFMpackage* version 0.1.0 Index]

Document your package for other users
Add a README file (1/2)

Adding a README file to your package distribution is useful when sharing your package on Github and will be shown as Description of your package.

Use the `use_readme_rmd()` function to create a README.Rmd file:

```
> usethis::use_readme_rmd()
✓ Setting active project to '/Users/claudiawenzel/Desktop/TestAdvanced'
✓ Writing 'README.Rmd'
✓ Adding '^README\\.Rmd$' to '.Rbuildignore'
• Modify 'README.Rmd'
```

Make sure to describe the basic functionality of your package and give an overview over all modules in your package. Then make sure you knit it

```
rmarkdown::render("README.Rmd") ## or use "Knit HTML"
```

Document your package for other users
Add a README file (2/2)

The goal of the README file is to answer the following questions about your package:

- Why should I use it?
- How do I use it?
- How do I get it?

https://r-pkgs.org/release.html

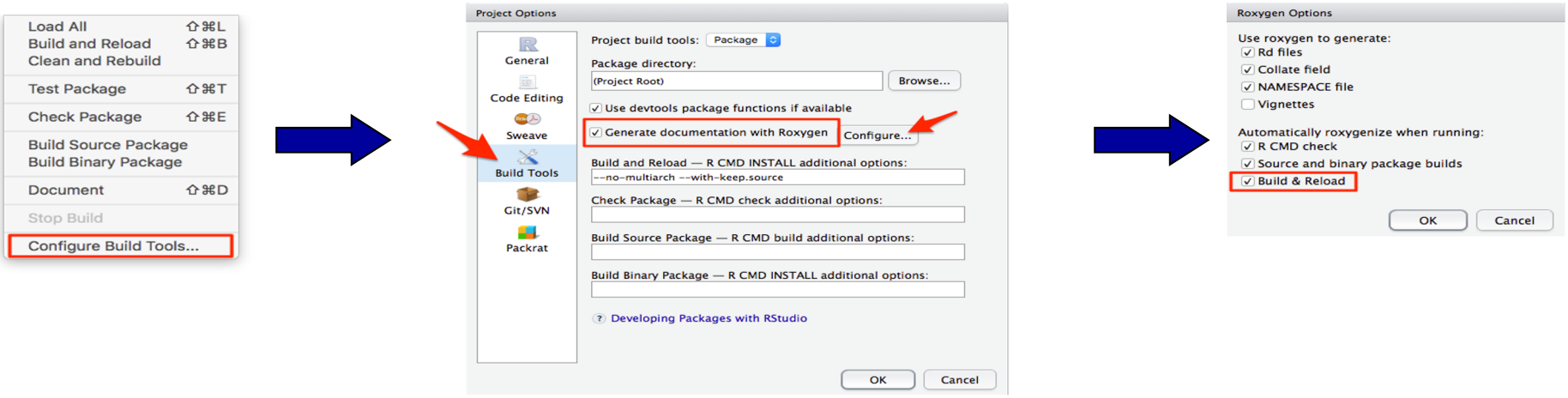
Use a package to automate some processes of the documentation work: Roxygen2

Roxygen2 is an R package that allows:

```
install.packages("roxygen2")
library(roxygen2)
```

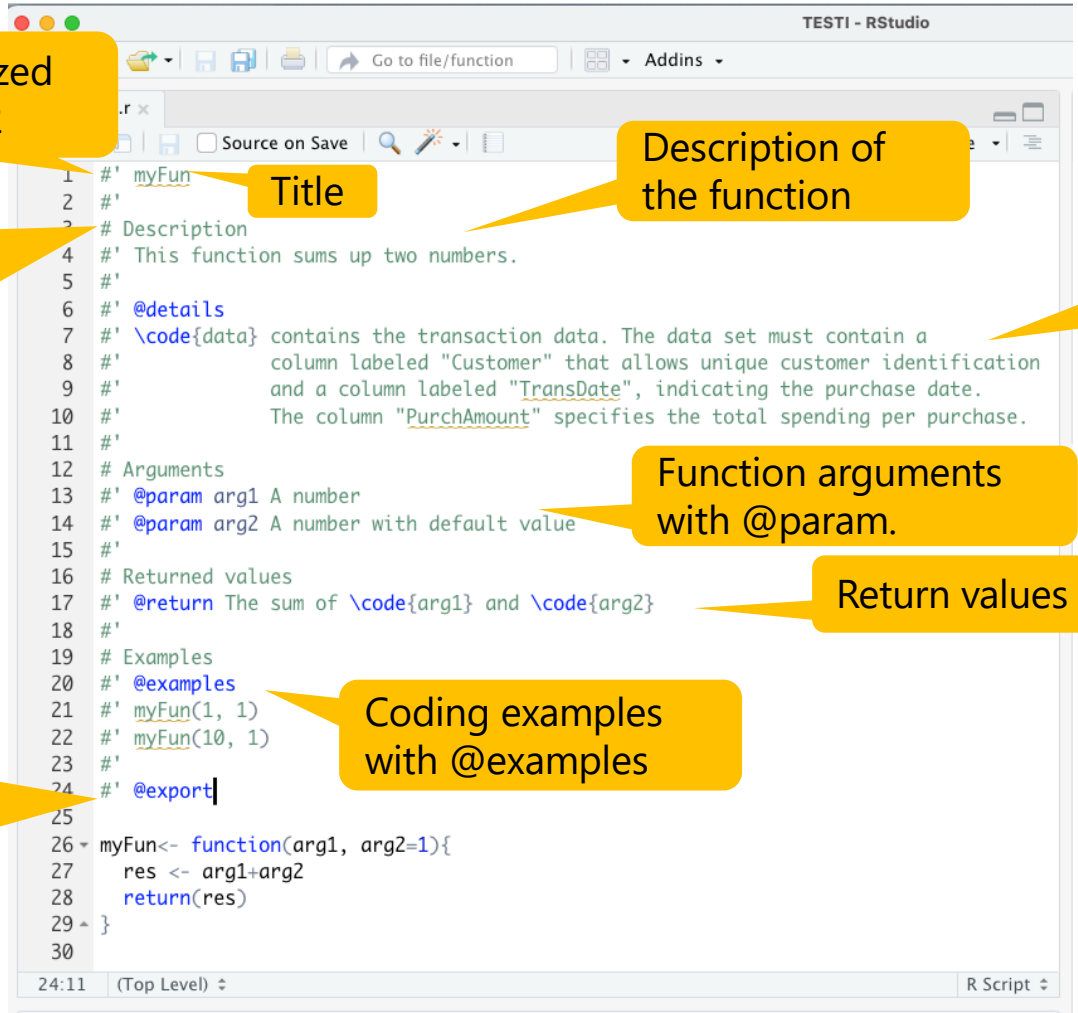
- Easy in-source documentation
- Automatic generation of help files

Tell RStudio to use Roxygen2: Go to Build -> Configure Build Tools...



https://support.rstudio.com/hc/en-us/articles/200532317-Writing-Package-Documentation

Document your package for other users - Document your functions



#' is recognized by Roxygen2

Title

Description of the function

This line is ignored by Roxygen2 since there is no #'

Detail information with @details

Function arguments with @param.

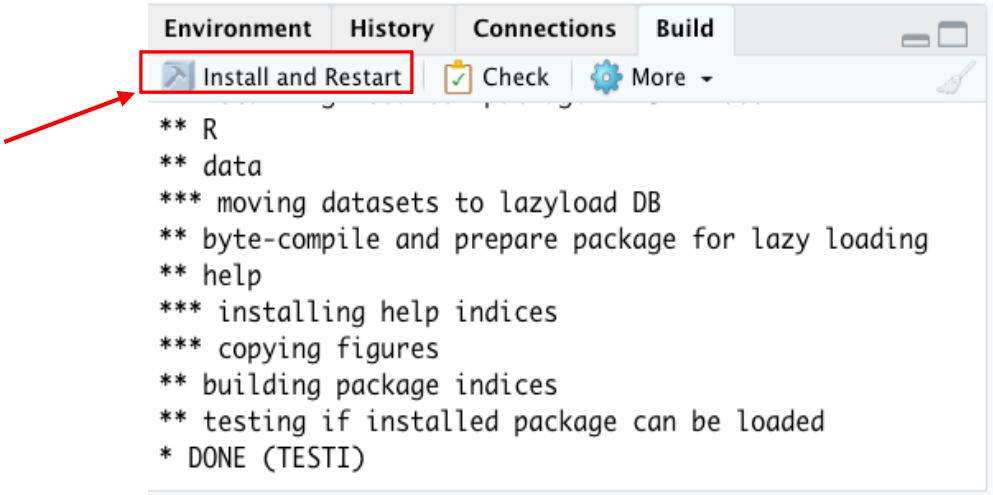
Return values with @return

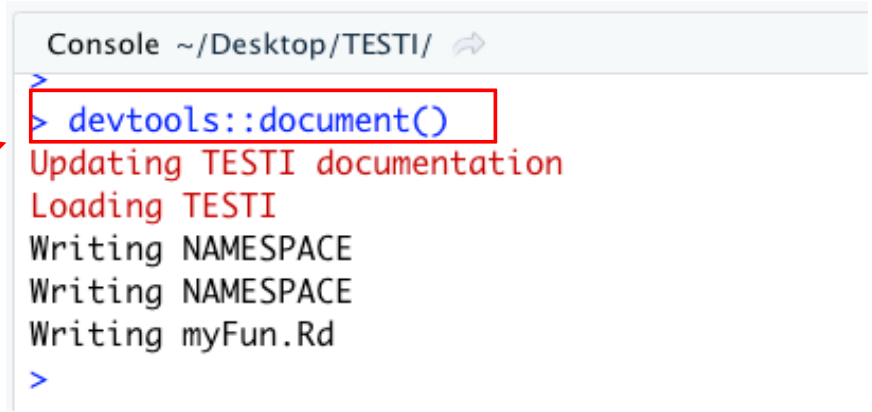
Coding examples with @examples

End of Roxygen2 documentation

https://cran.r-project.org/web/packages/roxygen2/vignettes/roxygen2.html

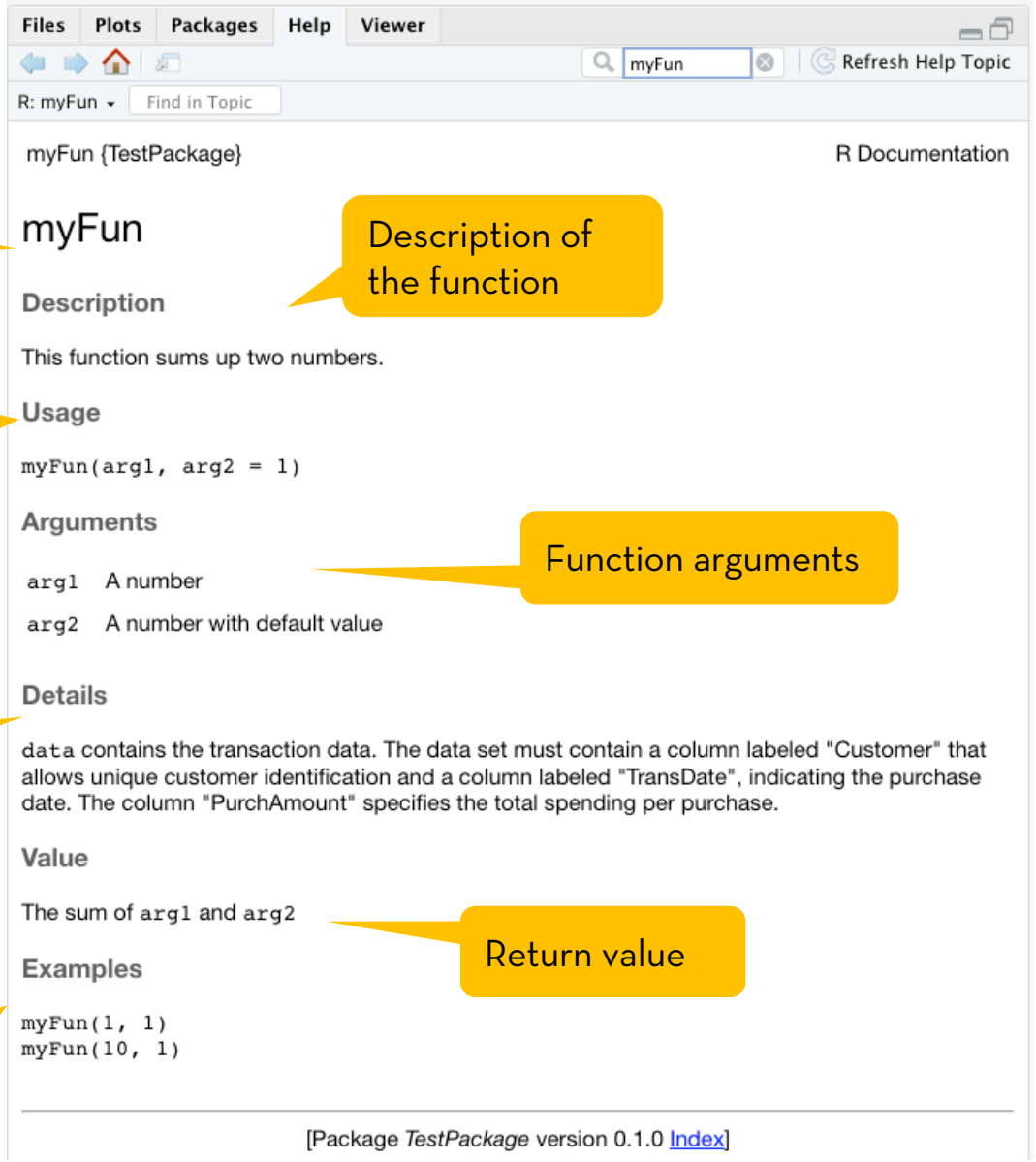
Document your package for other users - Re-Build your documented package





The help files are automatically generated.

… and get a well-documented package



Now it’s your turn!