

R

Write your own R-Package

Tobias Sieg

19 December 2017

Motivation

Writing your own (simple) R-packages is no rocket science and it is a nice way to document your functions and code. It also makes it more reusable for others.

Packages

Packages you need are:

- ▶ devtools
- ▶ roxygen2

... of course you can use GIT for the version control of your packages.

Documentation

Here is a small example:

```
#' Greet the world.  
#'  
#' @param greet A character with the greeting you like  
#' to send.  
#' @return Your \code{greet} to the world.  
#' @examples  
#' greet("Salve")  
#' greet("Guten Tag")  
  
greet <- function(greet) {  
  print(paste0(greet, ", world!"))  
}
```

Documentation

With the following command we update the documentation for our package

```
devtools::document()
```

If we load the package now with

```
devtools::load_all(PathToYourPackage)
```

We can call the documentation by

```
?greet
```

Documentation

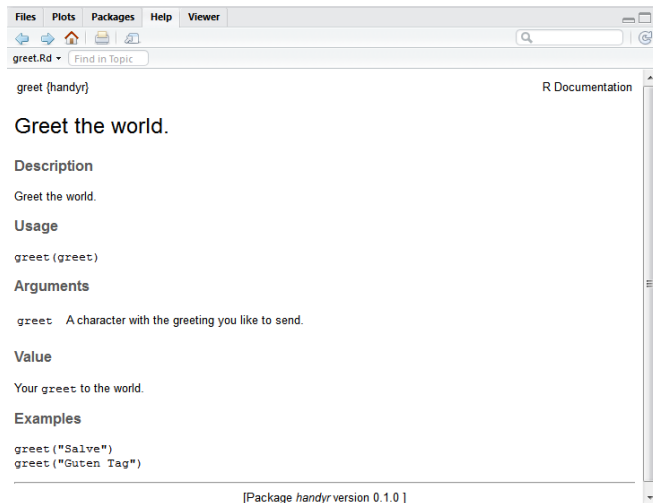


Figure 1: Help in R

A few more links

- ▶ <http://r-pkgs.had.co.nz/intro.html>
- ▶ <https://support.rstudio.com/hc/en-us/articles/200486488-Developing-Packages-with-RStudio>