

Packages

Wickham: <http://r-pkgs.had.co.nz/>

Developing Packages with RStudio: <https://support.rstudio.com/hc/en-us/articles/200486488-Developing-Packages-with-RStudio>

Writing an R Package From Scratch: <https://hilaryparker.com/2014/04/29/writing-an-r-package-from-scratch>

Before you begin, make sure the `devtools`, `roxygen2` packages are installed.

Directory structure

Create a new directory for your package (e.g., `myPackage`). In that directory, you will need at a minimum the following directories:

`myPackage/R`: a folder for R functions, with one function per file

`myPackage/man`: a folder for R help files

In the same folder, create a text file for the package metadata, called `DESCRIPTION`, that has the following lines:

```
Package: myPackage
Title: What The Package Does (one line, title case required)
Version: 0.1
Authors@R: person("First", "Last", email = "first.last@example.com", role = c("aut", "cre"))
Description: What the package does (one paragraph)
Depends: R (>= 3.1.0)
License: What license is it under?
LazyData: true
```

In your `myPackage/R` folder, create a new script file that will contain a single function. It is often good to name the file the same as the function:

`myPackage/R/colClasses.R`

```
colClasses <- function(df) {
  sapply(df, class)
}
```