

Making Packages in R

March 3rd, 2023

Notes for the R Package Workshop on 2023-03-03.

1 Pre-work

1. Install R

If you already have R, note your version with `R --version` in a terminal or typing `R.version` in an R console (like in RStudio). If you are getting R for the first time, get version 4.2.2.

- (a) MacOS: <https://cran.rstudio.com/bin/macosx/>
- (b) Windows: <https://cran.rstudio.com/bin/windows/base/R-4.2.2-win.exe>

2. Install RStudio: <https://posit.co/download/rstudio-desktop/>

3. Get the R Build toolchain

- (a) Windows:
 - Go to <https://cran.r-project.org/bin/windows/Rtools/> and begin installing the version that matches your R version
 - When installing, make sure “Edit the system PATH” is **unchecked** and “Save version information to registry” is **checked**

- (b) MacOS:

- Register as an Apple developer (for free): <https://idmsa.apple.com/IDMSWebAuth/signin?appIdKey=891bd3417a7776362562d2197f89480a8547b108fd934911bcbea0110d07f757&path=%2Fregister%2Fagree%2F&rv=1>
- Open a terminal and type `xcode-select --install`

4. Install R packages that help you make R packages

- Open RStudio
- Within the console tab, enter:
`install.packages(c("devtools", "roxygen2", "testthat", "knitr"))`. See picture on the next page for assistance.

5. Move the “em-data” folder to a location on your computer that you can find

Perhaps in your “Documents” folder. Or maybe even, “Downloads”.

