Why write a (mini) R package?

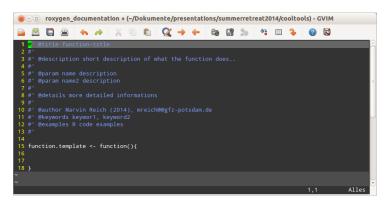
- all your messy code will be organized
- keep track of your functions used
- easily share your functions with others
- done analysis/processing in our section can easily be repeated
- help files facilitate understanding even after longer time periods

thanks to two wonderful R packages, this is now way easy!!

 \rightarrow a mini R package in just 2 slides..

roxygen2: documentation

- install.packages("roxygen2")
- library(roxygen2)
- **3** add roxygen2-formated comments **above** function declaration



devtools: package creation

- install.packages("devtools")
- library(devtools)
- 3 create folder (named after package) containing:
 - man folder
 - **R** folder
 - DESCRIPTION file
- copy roxygen-commented funcion file(s) into subfolder "R"
- 5 fill mandatory fields in DESCRIPTION file:
 - Package: package name
 - Version: any number
- setwd("package folder directory") and run: document()
- setwd("..") and run: install("package name")
- 8 optional: build("package name") builds a distributable package file