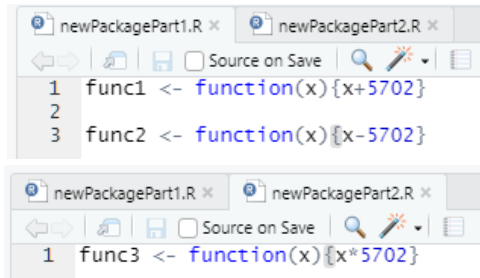


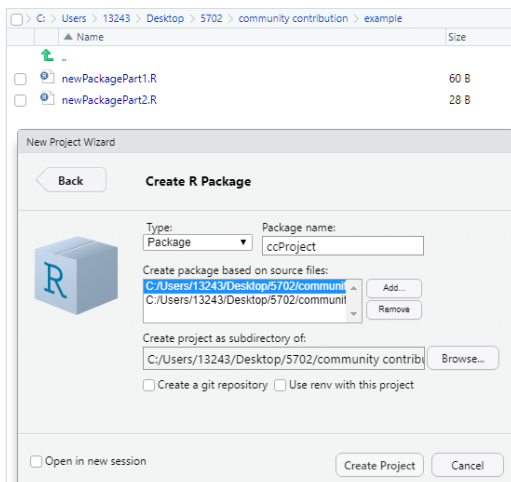
How to make your own R Package

Create Your Package

1. Create a .R script file in an empty folder where you want your package to be built
2. Write functions we're interested in implementing in this .R file. You can either put functions in 1 file or multiple files.



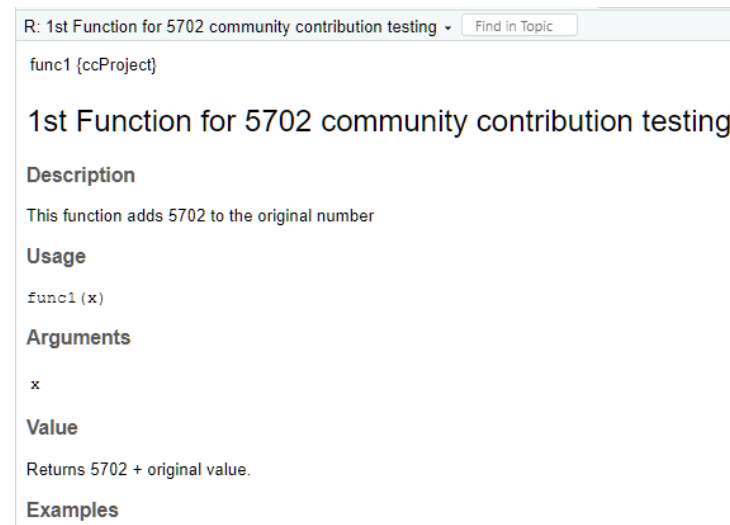
3. Navigate to File panel, find "Create Project" -> "New Directory" -> "R Package". Enter package name, add in the .R files in which you wrote your functions, and select the mother folder where you want your package to be created



6. Navigate to man directory, create R documentation file for each function. Add in title so that the .Rd file could compile



7. "Build" -> "Install and Restart"
8. Check if package was successfully installed
library(ccProject)
9. Check the Documentation file we just created



Packages needed: Devtools, Rtools
For Windows Users: Run RStudio as Administrator

Why creating your own package?

Make a collection of commonly used tools

Edit description and namespace file to import other package

OR

Use roxygen2 package to manage your namespace

Share it with others

Send others with compressed file of package. In "Build" panel select "Build Source Package"

[1] "C:/Users/13243/Desktop/5702/community contribution/example/ccProject_0.1.0.tar.gz"
Source package written to C:/Users/13243/Desktop/5702/community contribution/example

Install with the command
install.packages("path/to/tar/file", source = TRUE, repos=NULL)

OR

Upload the package directory to your Github page
Install with the command
"devtools::install_git(repo_url)"

Citation

http://web.mit.edu/insong/www/pdf/rpackage_instructions.pdf
<https://r-pkgs.org/namespace.html>