To create an R package, do the following within Rstudio:

Select File->New project

Select New Directory

Select R package using devtools (potentially need to scroll down a bit)

Select “main” directory and directory name (the later will be a directory within the “main” directory)

Push create directory (underscore is not allowed in the directory name)

To create R function within the package type

library(devtools)

use\_r('survival\_demo\_data') (or any other name for R R function – here survival\_demo\_data)

type in the R function or copy from a pre-made function

save

go to Build (upper right corner) and choose:

More -> load all

Put the curtsor in the R function editor and select from upper left

Code -> Insert Roxygen skeleton

Fill in the relevant titles and parmeters etc

From Build (upper right) select

More -> Document

Repeat the above from use\_r for other function that needs to be in the package

Now make the project available on github

The first time the location of git on the computer needs to be defined within R

This is down from the menu

Tools -> global options… -> GIT/SVN

Check enable version control (this requests that e.g. github desktop is already installed on the computer)

OK

For the project go to the the menu

Tools –> version control -> project setup …

Select Git/SVN and select GIT as version control system

OK a few times

In the upper right section there will now by a GIT tab

Check those files in the GIT section that should be uploaded to git

Now puch the commit button in the GIT section

Type in a GIT commit message (text to help understand which updates is made – the first time could be “This is the initial commit”)

The push commit (this does not upload the data but makes the “local” commit)

Go to the GITHUB on the web and create a repository for the project. In doing so github will print the code needed to upload the initial upload. It is possible to mark the code and push the small copy icon right next to the code lines. The lines could e.g be as follows:

git remote add origin https://github.com/CarstenBrink/TestRPackage.git

git branch -M main

git push -u origin main

Since 2021 GIthuib does not accept password only access but needs a token.

This can be made from the console of R studio with the command

library("usethis")

git\_sitrep() (print the current setup)

create\_github\_token() (shift to web github and cretes a personal token)

gitcreds::gitcreds\_set() (is used to install the personal token)

Now go to the terminal in R studio (terminal not console)

In the terminal right click on the mouse and select paste and hit enter such that the three git command above are pasted into the terminal and hit enter