Preparing for a hackaton in March

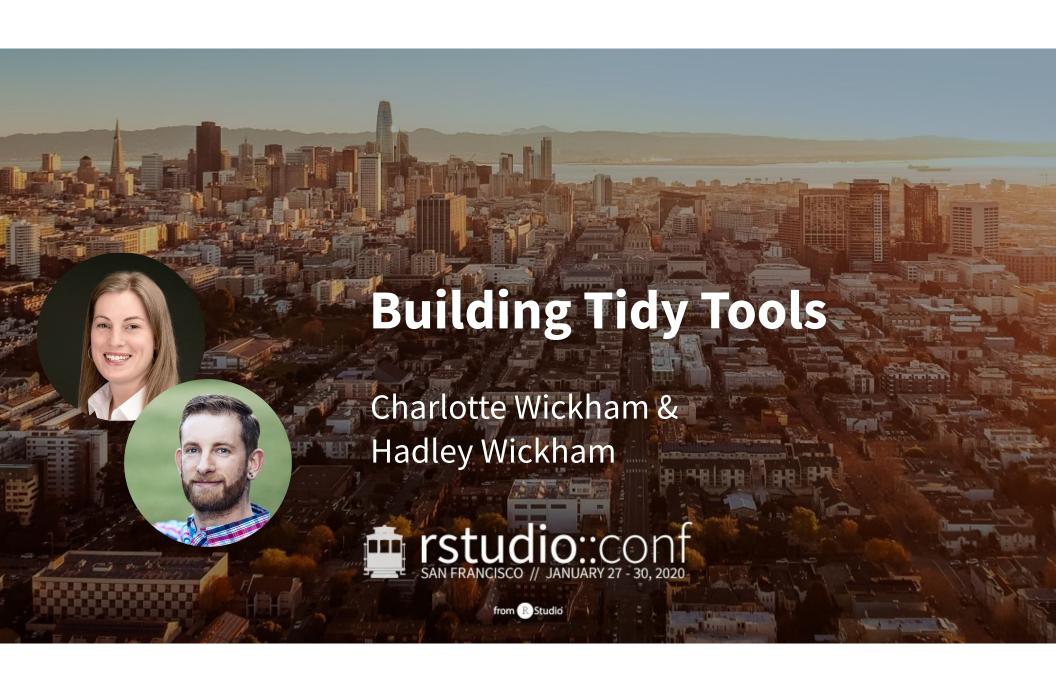
https://twitter.com/mauro_lepore

ds-incubator issue

2020-02-04: R packages: The whole game

Materials

- · Adapted from the book R packages, Chapter 2: The whole game, by Hadley Wickham and Jenny Bryan.
- Source code of the foofactors package, by Jenny Bryan on rstudio.cloud.
- Slides from the section Whole game, from the workshop Building tidy tools, by Charlotte Wickham and Hadley Wickham (RStudio conference, 2020).
- rstudio.cloud project.



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The whole game

Materials: http://rstd.io/build-tt

What follows is adapted from

The Whole Game

chapter in the revised version of R Packages.

https://r-pkgs.org/whole-game.html

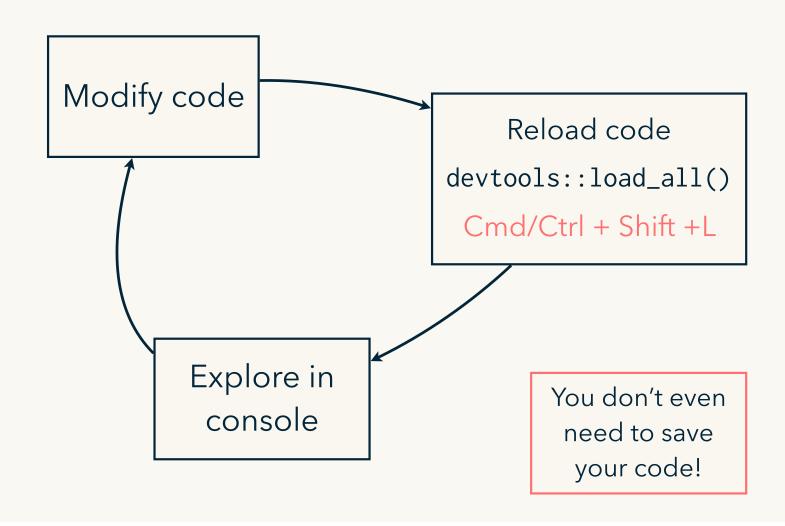
A proper package for the care and feeding of factors:

forcats

https://forcats.tidyverse.org

A package is a set of conventions that (with the right tools) makes your life easier

Why do we love devtools? Workflow!



```
usethis::create_package()
usethis::use_r()
devtools::load_all()
devtools::check()
usethis::use_mit_license()
devtools::document()
devtools::install()
```

R/RStudio setup

Workflow setup: your .Rprofile

Never include analysis packages here

```
if (interactive()) {
   suppressMessages(require(ggplot2))
   suppressMessages(require(dplyr))
}
```

While you're in there, also add:

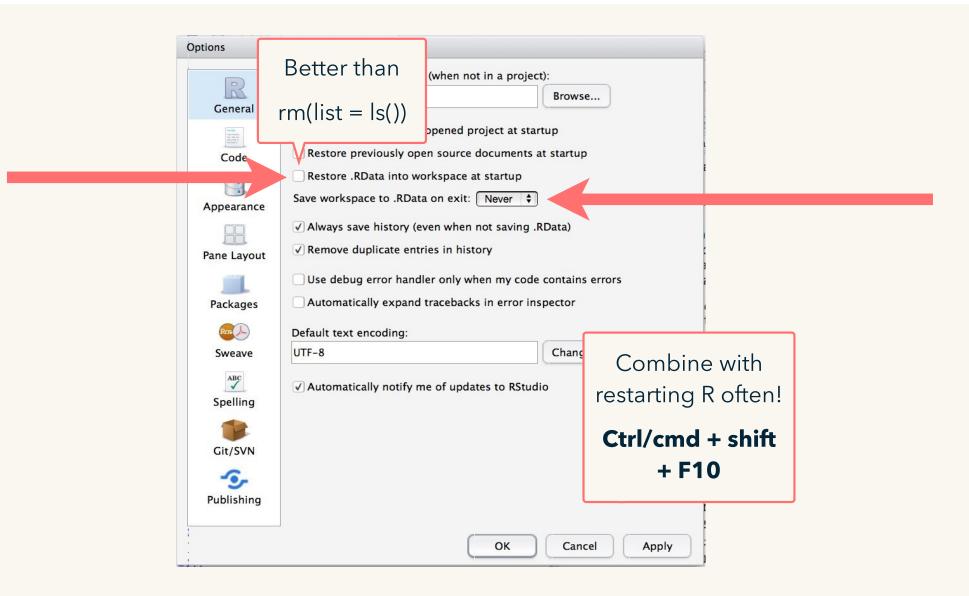
```
# usethis::use_partial_warnings()

options(
  warnPartialMatchArgs = TRUE,
  warnPartialMatchDollar = TRUE,
  warnPartialMatchAttr = TRUE
)
```

Tell usethis about yourself

```
options(
  usethis.full_name = "Hadley Wickham",
  usethis.description = list(
     `Authors@R` = 'person(
         "Hadley", "Wickham", \( \frac{Your first and last names}{\}
         email = "hadley@rstudio.com",
         role = c("aut", "cre"), < Leave as is</pre>
         comment = c(ORCID = "YOUR-ORCID-ID")
            Delete this line if you don't have an ORCID
```

https://usethis.r-lib.org/articles/articles/usethis-setup.html



Your turn

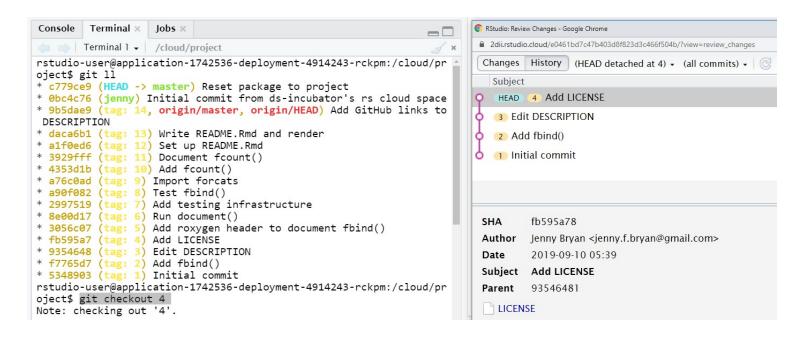
Reproduce the code in R packages, Chapter 2: The whole game.

You may use the <u>foofactors project on rstudio.cloud</u>. The branch master is an empty package. To see the end product, you may checkout the branch jenny with git checkout jenny.

. . .

Your turn

You may also explore the history of Jenny's commits. Each commit is tagged with numbers 1-14. To see what the package looked like at, say, Jenny's 4th commit, run git checkout 4.



Return to master with git checkout master.