



Building Tidy Tools

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rstudio::conf
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from  Studio

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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>

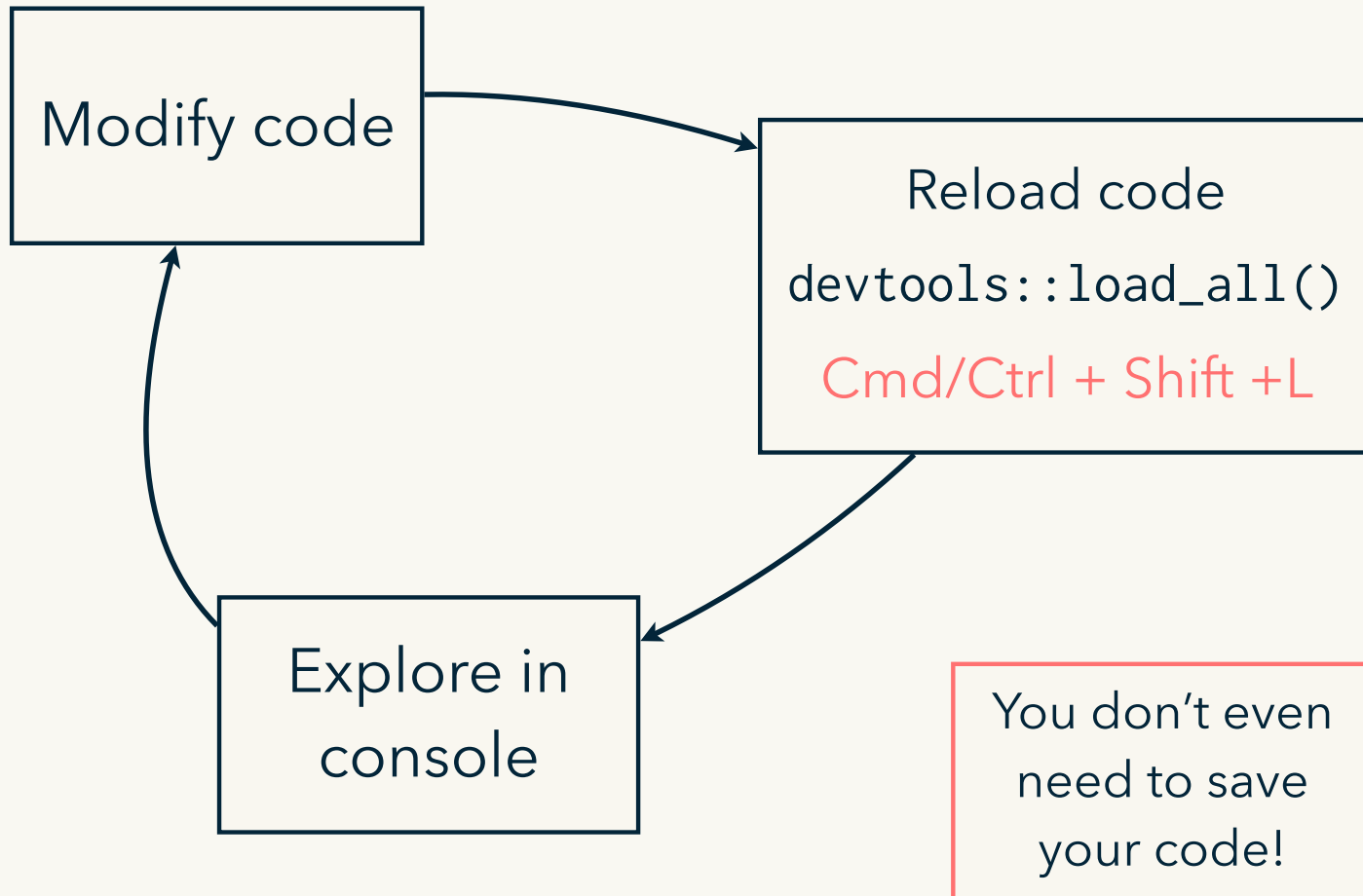
A proper package for the care and feeding of factors:

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

```
# Setup code that is run at R startup:  
# usethis::edit_r_profile()
```

```
# Helper to add devtools specifically:  
# usethis::use_devtools()
```

```
if (interactive()) {  
  suppressMessages(require(devtools))  
  suppressMessages(require(testthat))  
}
```

devtools makes
usethis available too!

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",  
      email = "hadley@rstudio.com",  
      role = c("aut", "cre"),  
      comment = c(ORCID = "YOUR-ORCID-ID")  
    ),  
  )  
)
```

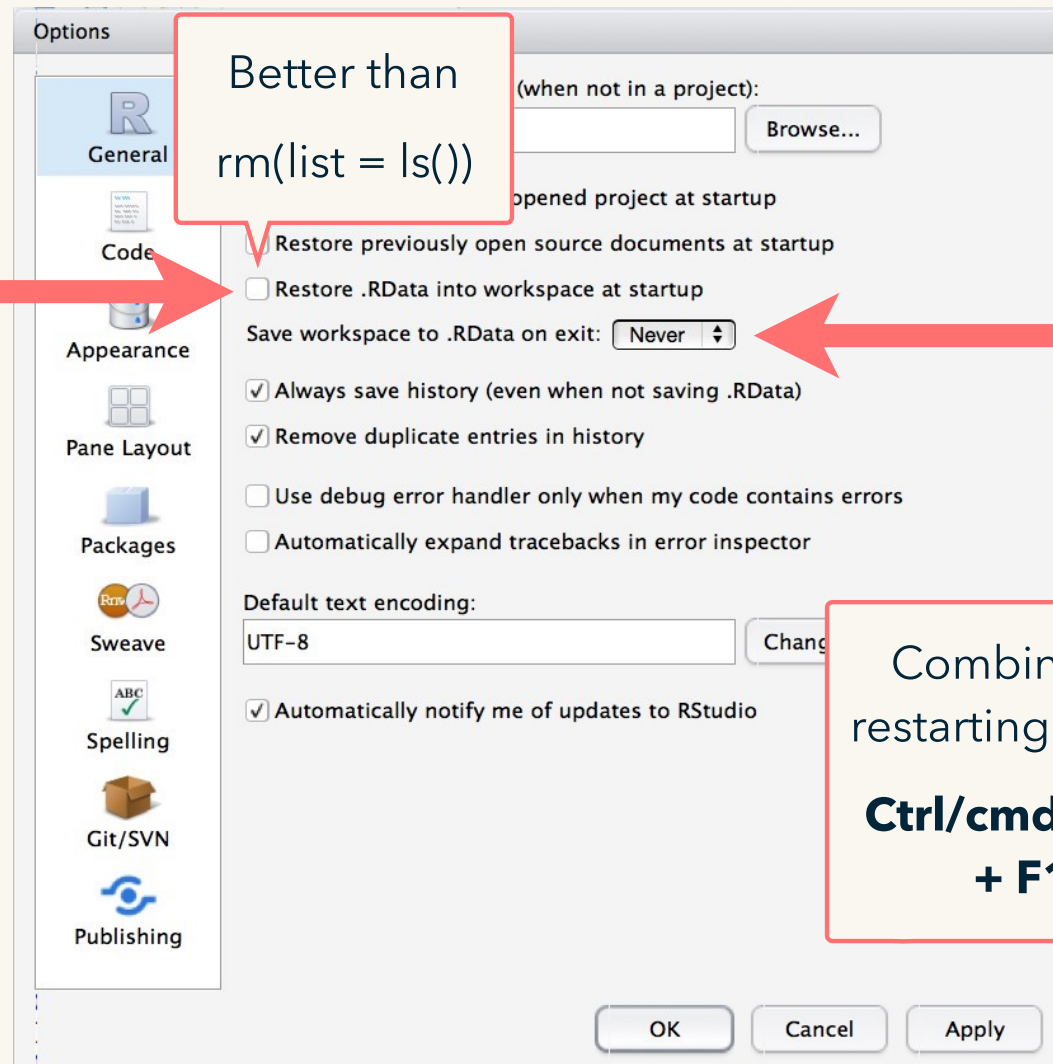
Your first and last names

Your email

Leave as is

Delete this line if you don't have an ORCID

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



Better than
`rm(list = ls())`

Combine with
restarting R often!

**Ctrl/cmd + shift
+ F10**