Problems and solutions about Adv-R

Carolyn-Yu

2020/3/19

The version of R I'm using is R version 3.6.3

When I open the project(Adv-r.Rproj) using Rstudio:

Error in loadNamespace(name) : there is no package called 'rmarkdown'

So I install the package bookdown by

```r
install.packages("rmarkdown")
```

And then I install the "bookdown" package to compile the book:

```r
install.packages("bookdown")
bookdown::render_book("index.Rmd",output_format="bookdown::pdf_book")
```

During the building process I meet some problems, I list my problems and solutions below:

- The problem 1:

Q: The error that there is no package called "..."

S: During the building process, I install some packages, such as dplyr, desc, sessioninfo, lobstr, ggplot2, devtools, sloop, DBI, RSQLite, zealot, profvis, bench, tidyr

- The problem 2:

Q: Quitting from lines 223-235 (Introduction.Rmd) Error in cat(paste0(contributors$desc, collapse = ",")) :

S: I add encoding="UTF-8" in line 224 of introduction.rmd to fix it.

```r
contributors <- read.csv("contributors.csv", stringsAsFactors = FALSE, encoding = "UTF-8")
```

- The problem 3:

Q: When I install the package "emo" with install.package: Warning in install.packages : package 'emo' is not available (for R version 3.6.3)

S: So I install the package "devtools", and then install the package "emo" from Hadley's github.com by

```
install.packages("devtools")
devtools::install_github("hadley/emo")
```

- The problem 4:

Q: Quitting from lines 209-221 (Big-picture.Rmd) erro: The dbplyr package is required to communicate with database backends

S: The solution:

```
install.packages("dbplyr")
```

- The problem 5:

Q: Quitting from lines 233-234 (Perf-measure.Rmd) erro: `ggbeeswarm` must be installed to use `type = "beeswarm"` option

S: The solution:

```
install.packages("dbplyr")
```

- The problem 6:

Q: ATeX failed to compile _main.tex. See https://yihui.org/tinytex/r/#debugging for debugging tips.

S: I find some relevant information on the Internet, and then I choose to use MiKTeX instead of TinyTex

- The problem 7:

Q: LaTeX Error: Font inconsola & andale mono not found

S:I download the "inconsola" and "andale mono" from Internet and then install them

- The problem 8:

Q: LaTeX Error: File 'xeCJK.sty' not found

S: I install the package "xecjk" from MikTex Console

Ending. . .