README

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Computing Environment

operating system : Windows 10 R : version 4.0.2 Rstudio : Version 1.2.5019

Following the instruction from *Compile Hadley's Advanced R to a PDF*.

In the progress, I've met several problems. The followings are the errors I've met.

Packages missing or need to be reinstall.

The problematic packages is as follows:

rlang, glue, ellipsis, vctrs, pillar, tibble, purrr, bookdown, lobstr, dplyr, tidyverse, RSQLite, profvis, bench, ggbeeswarm.

solution: Use

```r
install.packages()
```

Can't knit Introduction.Rmd

Quitting from lines 223-235 (Introduction.Rmd)

solution: Adding `encoding = "UTF-8"` in line 224.

Warning message not shown correctly

In [*Vectors.Rmd*] it use `as.integer(c("1", "1.5", "a"))` to illustrate failed coercion of strings can generates a warning and a missing value.

However my system language is Chinese so the warning message can not be shown correctly.

solution: Use

```r
Sys.setenv(LANGUAGE = "en")
```

'make' not found

Warning message: In system(cmd) : 'make' not found

solution: Install Rtools40(https://cran.r-project.org/bin/windows/Rtools/) and do it from R like so:

```r
writeLines('PATH="${RTOOLS40_HOME}\\usr\\bin;${PATH}"', con = "~/.Renviron")
```

Fonts not found and some unknown mistake

The problem started with font "Inconsolata" cannot be found. However, after download it from *Google Fonts* and install it. The problem still exists.

Then I try Miktex instead of TinyTex. This time the problem turned into: **"xelatex" not found**. Even if I add root directory into PATH.

Finally, I try to combine Miktex and Tinytex and the problem turned into: `! xdvipdfmx:fatal: Invalid TTC index (not TTC font): C:/WINDOWS/fonts/Inconsolata-VariableFont_wdth,wght.ttf`. I tried to reinstall the font with Administrative Installation but the problem is not fixed.