Problems and Solutions to Compile a PDF Version of Advanced R

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First,download the source file from *Compile Hadley's Advanced R to a PDF*. Second,install R Package dependencies using `devtools::install_github("hadley/sloop")` and `devtools::install_github("hadley/emo")`. Finanlly, use `bookdown::render_book("index.Rmd", output_format = "bookdown::pdf_book")` to compile the book.

The followings are the errors I've met and how I solved them.Some packages that must be installed during the compilation process may have been installed before and are not recorded.
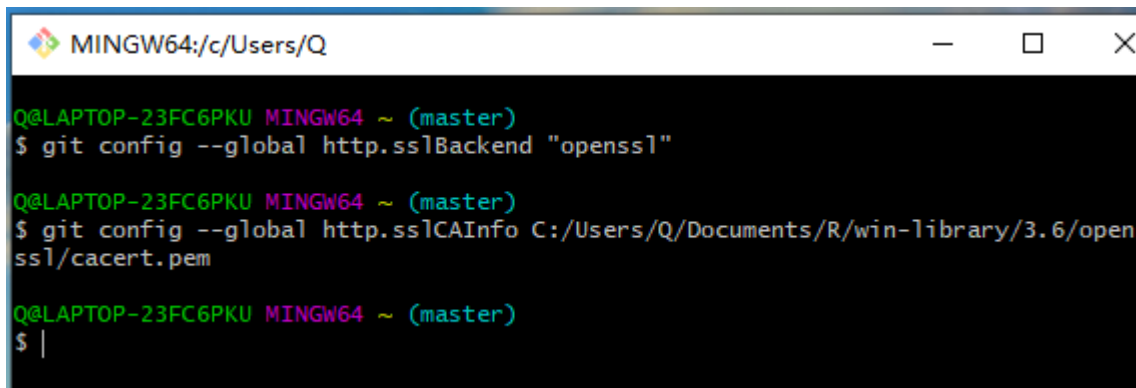
Missing Packages

Most of the warnings are packages missing. Use `install.packages()` to solve this kind of problem. The packages I installed during the process are *bookdown, RSQLite,lobstr,profvis,bench,dbplyr,tinytex,rlang,devtools, RCPP*.

SSL/TLS connection failed

When I installed packages from github,I receiver this warning: *Failed to install 'unknown package' from GitHub: schannel: failed to receive handshake, SSL/TLS connection failed.* To solve this problem,I Open the Git Bash window and replace my cacert.pem file path as shown below.

`knitr::include_graphics("image/ssl.png")`

"xelatex" not Found

I installed *MiKTeX*,choosing"*Always install missing packages on-the-fly*" when *MiKTeX* let choose whether missing packages are to be installed.

`knitr::include_graphics("image/MiKTeX.png")`

You can choose whether missing packages are to be installed on-the-fly:

- ◉ Always install missing packages on-the-fly
- ◯ Ask me
- ◯ Never install missing packages on-the-fly
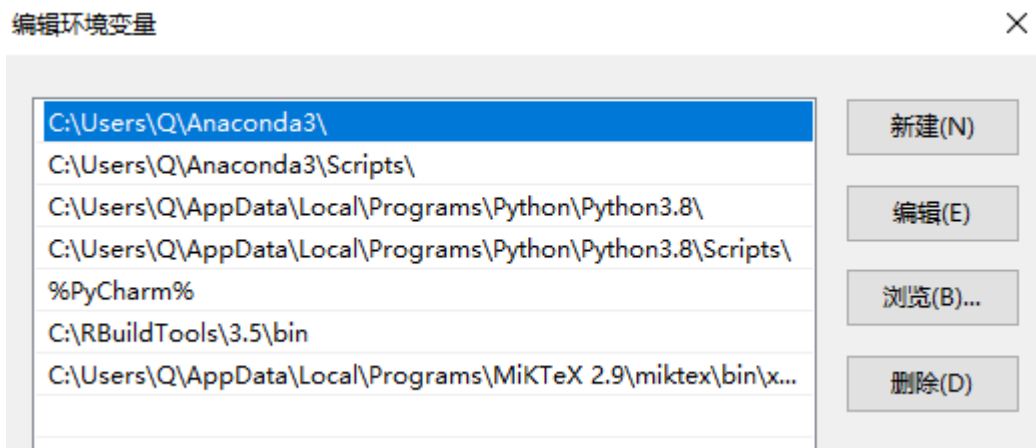
Quitting from lines 223-235 (Introduciton.Rmd)

Adding `encoding = "UTF-8"` in line 224 can fix it. The line 224 is displayed as

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

In system(cmd) : 'make' not found

To solve this problem, I added *Rtools'* path in the system settings as the picture shown below.
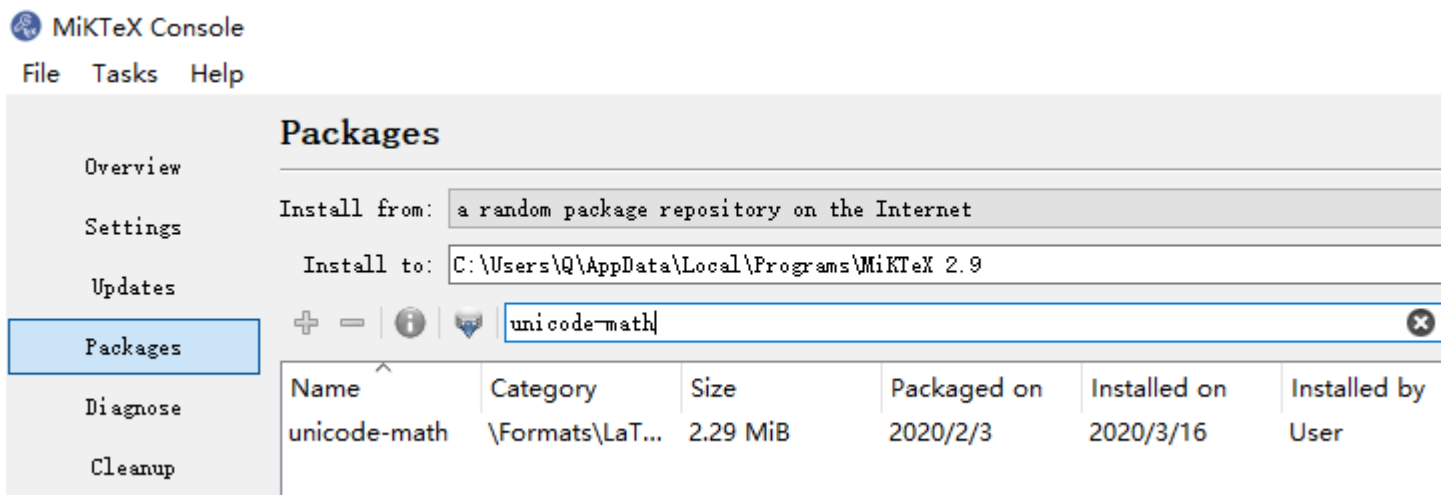
```
knitr::include_graphics("image/path.PNG")
```


LaTeX Error:File 'unicode-math.sty' not found

I installed *unicode-math.sty* in *miktex*.

```
knitr::include_graphics("image/1.PNG")
```

Fonts can't be found

I installed two fonts *"Inconsolata" and " AndaleMono"*.These two fonts are not packages in R, I downloaded them from the internet and copied it to `C:\Windows\Fonts`.

```
knitr::include_graphics("image/font.PNG")
```