Troubleshooting

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```r
knitr::opts_chunk$set(eval = F, # change this to 'eval = T' to reproduce the analyses; make s
                      echo = T, # 'print code chunk?'
                      message = F, # 'print messages (e.g., warnings)?'
                      error = F,
                      warning = F)
```

```r
library(knitr)
hook_output = knit_hooks$get('output')
knit_hooks$set(output = function(x, options) {
  # this hook is used only when the linewidth option is not NULL
  if (!is.null(n <- options$linewidth)) {
    x = xfun::split_lines(x)
    # any lines wider than n should be wrapped
    if (any(nchar(x) > n)) x = strwrap(x, width = n)
    x = paste(x, collapse = '\n')
  }
  hook_output(x, options)
})
```

In this document I record errors that I encounter and how I resolved them. Solutions will typically be from Googling, relevant links will be provided.

1 Rmarkdown knitting PDF

Error message:

```
tlmgr update --all --self
fmtutil [ERROR]: format directory not writable: /usr/local/texlive/2019/texmf-var/web2c
tlmgr: package repository https://mirror.clientvps.com/CTAN/systems/texlive/tlnet (not verif:
tlmgr install: package already present: l3kernel
! LaTeX Error: Mismatched LaTeX support files detected.
(LaTeX)        Loading 'expl3.sty' aborted!
(LaTeX)
(LaTeX)        The L3 programming layer in the LaTeX format
(LaTeX)        is dated 2023-02-01, but in your TeX tree the files require
(LaTeX)        at least 2023-02-02.

Error: LaTeX failed to compile 03-exp123.tex. See https://yihui.org/tinytex/r/#debugging for
In addition: Warning messages:
1: Removed 156 rows containing non-finite values (stat_ydensity).
2: Removed 156 rows containing non-finite values (stat_boxplot).
3: Removed 156 rows containing non-finite values (stat_summary).
4: Removed 156 rows containing non-finite values (stat_summary).
5: Removed 156 rows containing non-finite values (stat_ydensity).
6: Removed 156 rows containing non-finite values (stat_boxplot).
7: Removed 156 rows containing non-finite values (stat_summary).
8: Removed 156 rows containing non-finite values (stat_summary).
Execution halted
```

In the Terminal, I type

```
kpsewhich --all --engine=pdftex pdflatex.fmt
```

And get:

```
(base) administrators-MacBook-3:Lifetime Project danielapalleschi$ kpsewhich --all --engine=
/usr/local/texlive/2019/texmf-var/web2c/pdftex/pdflatex.fmt
```

So my pdftex version is from 2019 or soemthing.

In the Terminal, I typed:

```
sudo fmtutil-sys --all
```

And entered my laptop's administrator Password when prompted (it won't show that you're typing, but just type the password and hit Enter). Then Terminal was running for a couple of minutes, and ended with the output:

```
Transcript written on mex.log.
fmtutil [INFO]: /usr/local/texlive/2019/texmf-var/web2c/pdftex/mex.fmt installed.
fmtutil [INFO]: Disabled formats: 6
fmtutil [INFO]: Successfully rebuilt formats: 45
fmtutil [INFO]: Total formats: 51
fmtutil [INFO]: exiting with status 0
```

When I went to knit a PDF I still got the same errors.

Then I ran

```
fmtutil-user --all
```

No password required, it ran again for a few minutes. At the end, I got

```
Transcript written on mf.log.
fmtutil [INFO]: /Users/danielapalleschi/Library/texlive/2019/texmf-var/web2c/metafont/mf.base
fmtutil [INFO]: Disabled formats: 6
fmtutil [INFO]: Successfully rebuilt formats: 45
fmtutil [INFO]: Total formats: 51
fmtutil [INFO]: exiting with status 0
```

1.1 Solution

In the end I went into my Time Machine (external harddrive) to a point right before this problem started happening, and restored the 'Macintosh HD/Library' folder, because presumably something happened to the TexLive file or something in there. That solved the problem.

2 Rmarkdown and kableExtra with R version 4.3

3 Stargazer

31.08.2022: updated to R version 4.2.1 (2022-06-23), now stargazer won't compile tables where model names are too long.

3.1 Solution

Discussed here https://www.reddit.com/r/rstats/comments/ucmtdn/issue_with_stargazer_package_after_up

Code below from linked solution: https://gist.github.com/alexeyknorre/b0780836f4cec04d41a863a683f91b53

```r
## Quick fix for stargazer <= 5.2.3 is.na() issue with long model names in R >= 4.2
# Unload stargazer if loaded
detach("package:stargazer",unload=T)
# Delete it
remove.packages("stargazer")
# Download the source
download.file("https://cran.r-project.org/src/contrib/stargazer_5.2.3.tar.gz", destfile = "st
# Unpack
untar("stargazer_5.2.3.tar.gz")
# Read the sourcefile with .inside.bracket fun
stargazer_src <- readLines("stargazer/R/stargazer-internal.R")
# Move the length check 5 lines up so it precedes is.na(.)
stargazer_src[1990] <- stargazer_src[1995]
stargazer_src[1995] <- ""
# Save back
writeLines(stargazer_src, con="stargazer/R/stargazer-internal.R")
# Compile and install the patched package
install.packages("stargazer", repos = NULL, type="source")
### FROM NOW ON: shorter model names for stargazer
```