Testing gt for tables

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# Introduction

kableExtra makes great tables in html & pdf but not so good in MS Word. Sadly many of our co-authors still like to use MS Word. So we need a Word-friendly way to make nice tables…

# gt

The [gt package](https://github.com/rstudio/gt) might help.

df <- gtcars  
dt <- as.data.table(df) # cos we like data.tables  
  
t <- table(dt$mfr, dt$bdy\_style)  
  
gt(t)

Var1

Var2

Freq

Acura

convertible

0

Aston Martin

convertible

0

Audi

convertible

0

Bentley

convertible

0

BMW

convertible

0

Chevrolet

convertible

0

Dodge

convertible

0

Ferrari

convertible

2

Ford

convertible

0

Jaguar

convertible

0

Lamborghini

convertible

0

Lotus

convertible

0

Maserati

convertible

0

McLaren

convertible

0

Mercedes-Benz

convertible

1

Nissan

convertible

0

Porsche

convertible

1

Rolls-Royce

convertible

1

Tesla

convertible

0

So a gt object is clearly in long form. The examples all use pipes to pass the table through dplyr stuff…

# Define the start and end dates for the data range  
start\_date <- "2010-06-07"  
end\_date <- "2010-06-14"  
  
# Create a gt table based on preprocessed  
# `sp500` table data  
sp500 %>%  
 dplyr::filter(date >= start\_date & date <= end\_date) %>%  
 dplyr::select(-adj\_close) %>%  
 gt() %>%  
 tab\_header(  
 title = "S&P 500",  
 subtitle = glue::glue("{start\_date} to {end\_date}")  
 ) %>%  
 fmt\_date(  
 columns = vars(date),  
 date\_style = 3  
 ) %>%  
 fmt\_currency(  
 columns = vars(open, high, low, close),  
 currency = "USD"  
 ) %>%  
 fmt\_number(  
 columns = vars(volume),  
 suffixing = TRUE  
 )

S&P 500

2010-06-07 to 2010-06-14

date

open

high

low

close

volume

Mon, Jun 14, 2010

$1,095.00

$1,105.91

$1,089.03

$1,089.63

4.43B

Fri, Jun 11, 2010

$1,082.65

$1,092.25

$1,077.12

$1,091.60

4.06B

Thu, Jun 10, 2010

$1,058.77

$1,087.85

$1,058.77

$1,086.84

5.14B

Wed, Jun 9, 2010

$1,062.75

$1,077.74

$1,052.25

$1,055.69

5.98B

Tue, Jun 8, 2010

$1,050.81

$1,063.15

$1,042.17

$1,062.00

6.19B

Mon, Jun 7, 2010

$1,065.84

$1,071.36

$1,049.86

$1,050.47

5.47B

# R environment

Packages used:

* gt (Iannone, Cheng, and Schloerke 2019)

And:

* tidyverse - (Wickham 2017)
* glue - (**???**)
* data.table - (Dowle et al. 2015)

# References

Dowle, M, A Srinivasan, T Short, S Lianoglou with contributions from R Saporta, and E Antonyan. 2015. *Data.table: Extension of Data.frame*. <https://CRAN.R-project.org/package=data.table>.

Iannone, Richard, Joe Cheng, and Barret Schloerke. 2019. *Gt: Easily Create Presentation-Ready Display Tables*. <https://github.com/rstudio/gt>.

Wickham, Hadley. 2017. *Tidyverse: Easily Install and Load ’Tidyverse’ Packages*. <https://CRAN.R-project.org/package=tidyverse>.