Examples with {gt}

November 22, 2021

# Print a Plain Dataframe

df <- penguins %>%   
 head(n =10)  
  
df %>% gt()

# {gtsummary} Examples

## Default Print Engine

Example where we don’t specify print engine:

penguins %>%   
 tbl\_summary() %>%  
 bold\_labels() %>%  
 italicize\_levels()

## Table printed with {flextable}, not {gt}. Learn why at  
## http://www.danieldsjoberg.com/gtsummary/articles/rmarkdown.html  
## To suppress this message, include `message = FALSE` in the code chunk header.

| Characteristic | N = 3441 |
| --- | --- |
| **Species** |  |
| *Adelie* | 152 (44%) |
| *Chinstrap* | 68 (20%) |
| *Gentoo* | 124 (36%) |
| **Island** |  |
| *Biscoe* | 168 (49%) |
| *Dream* | 124 (36%) |
| *Torgersen* | 52 (15%) |
| **Bill Length Mm** | 44.5 (39.2, 48.5) |
| *Unknown* | 2 |
| **Bill Depth Mm** | 17.30 (15.60, 18.70) |
| *Unknown* | 2 |
| **Flipper Length Mm** | 197 (190, 213) |
| *Unknown* | 2 |
| **Body Mass G** | 4,050 (3,550, 4,750) |
| *Unknown* | 2 |
| **Sex** |  |
| *female* | 165 (50%) |
| *male* | 168 (50%) |
| *Unknown* | 11 |
| **Year** |  |
| *2007* | 110 (32%) |
| *2008* | 114 (33%) |
| *2009* | 120 (35%) |
| 1n (%); Median (IQR) | |

## Specify Print Engine

penguins %>%   
 tbl\_summary() %>%  
 bold\_labels() %>%  
 italicize\_levels() %>%  
 as\_gt()

# With Compact Theme

theme\_gtsummary\_compact()

## Setting theme `Compact`

penguins %>%   
 tbl\_summary() %>%  
 bold\_labels() %>%  
 italicize\_levels() %>%  
 as\_gt()

reset\_gtsummary\_theme()

## Add Header

penguins %>%   
 tbl\_summary() %>%  
 bold\_labels() %>%  
 italicize\_levels() %>%  
 as\_gt() %>%  
 tab\_header("Title")

## Add Footnotes

x <- penguins %>%   
 tbl\_summary() %>%  
 bold\_labels() %>%  
 italicize\_levels() %>%  
 as\_gt()   
  
# To inspect internals of gt object you can do:  
#x$`\_data`  
  
x %>%  
 tab\_footnote(  
 footnote = "Custom Footnote",  
 locations = cells\_column\_labels(  
 columns = label  
 ))

# Highlight Specific Values

x <- penguins %>%   
 tbl\_summary() %>%  
 bold\_labels() %>%  
 italicize\_levels() %>%  
 as\_gt() %>%  
 tab\_header("Title")

x$`\_data` <- x$`\_data` %>%  
 mutate(new\_cond = parse\_number(stat\_0))   
  
x %>%  
 gt::tab\_style(  
 style = list(  
 cell\_fill(color = "purple")  
 ),  
 locations = cells\_body(  
 columns = stat\_0,  
 rows = new\_cond >= 100   
 )  
 )

x %>%  
 mutate(new\_cond = parse\_number(stat\_0)) %>%  
 set\_text\_color(row = .$new\_cond >= 100, 2, "purple") %>%  
 select(-new\_cond)

## Merged Tables with Spanning Headers

sum <- penguins %>%  
 select(species, island, sex) %>%  
 tbl\_summary(by = species) %>%  
 add\_p()  
  
  
reg <- glm(species ~ island + sex, family = binomial(), data = penguins)  
  
reg <- reg %>%  
 tbl\_regression()

## Warning: glm.fit: fitted probabilities numerically 0 or 1 occurred  
  
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tbl\_merge(list(sum, reg),  
 tab\_spanner = c("\*\*Summary Statistics\*\*", "\*\*Regression\*\*\*")) %>%   
   
 as\_gt()

# Saving Quickly