



R in 3 Months: Week 4

(Data Viz)



Agenda

1. Housekeeping
2. Four Tips
3. Workflow Advice
4. More example data visualizations from David and Charlie
5. Next Week



Housekeeping

- Next week we won't have a live session, but you can book a one-to-one with Charlie



Four Tips



Updating columns

There's a base R way of doing things

```
your_data$question_12 <- as.numeric(your_data$question_12)
```

... and there's the tidyverse way of doing things

```
your_data <- your_data %>%  
  mutate(question_12 = as.numeric(question_12))
```



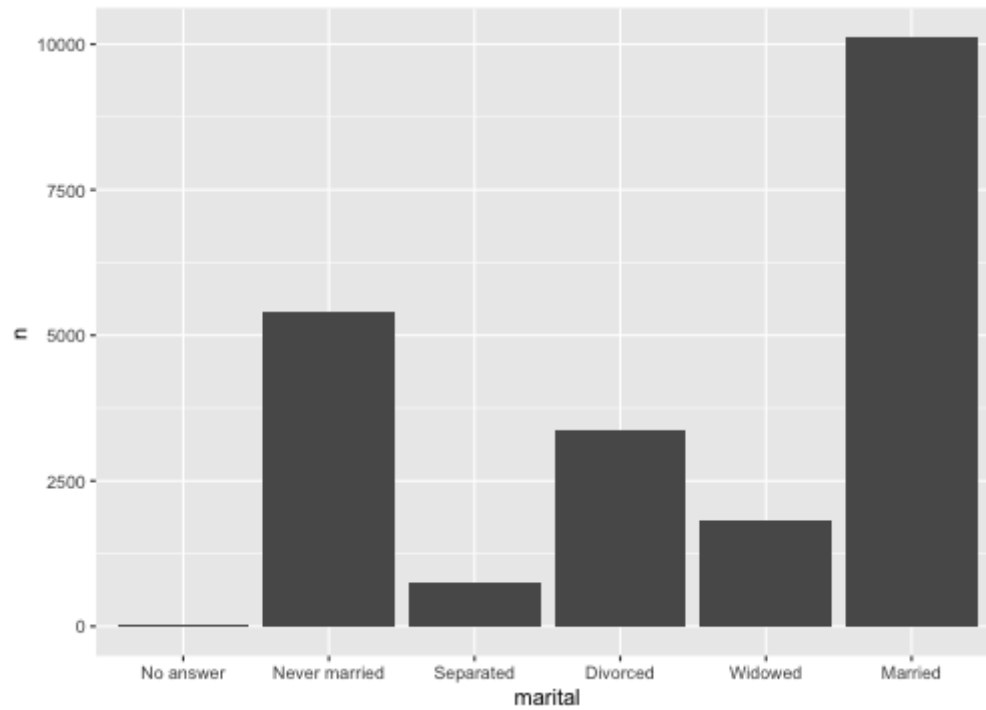
coord_flip() is no longer necessary

In [March 2020 ggplot2 3.0 was released](#) and removed the need to use `coord_flip()`.

```
library(tidyverse)
gss_cat %>%
  count(marital) %>%
  ggplot(aes(x = marital,
             y = n)) +
  geom_col() +
  coord_flip()
```

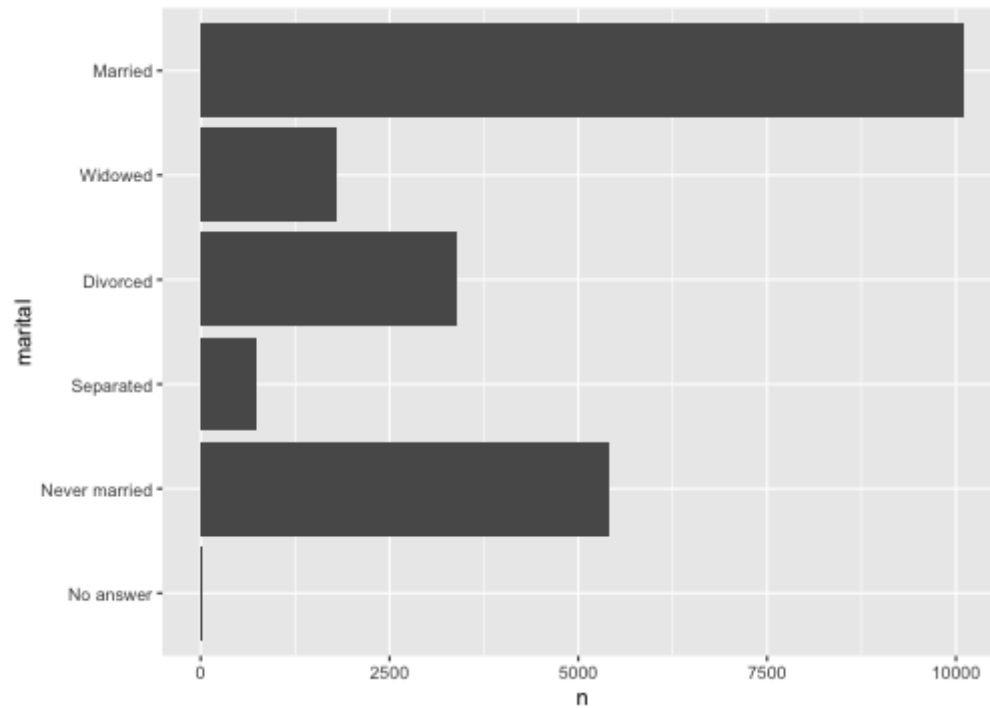


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gss_cat %>%
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  ggplot(aes(x = marital,
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gss_cat %>%
  count(marital) %>%
  ggplot(aes(x = n,
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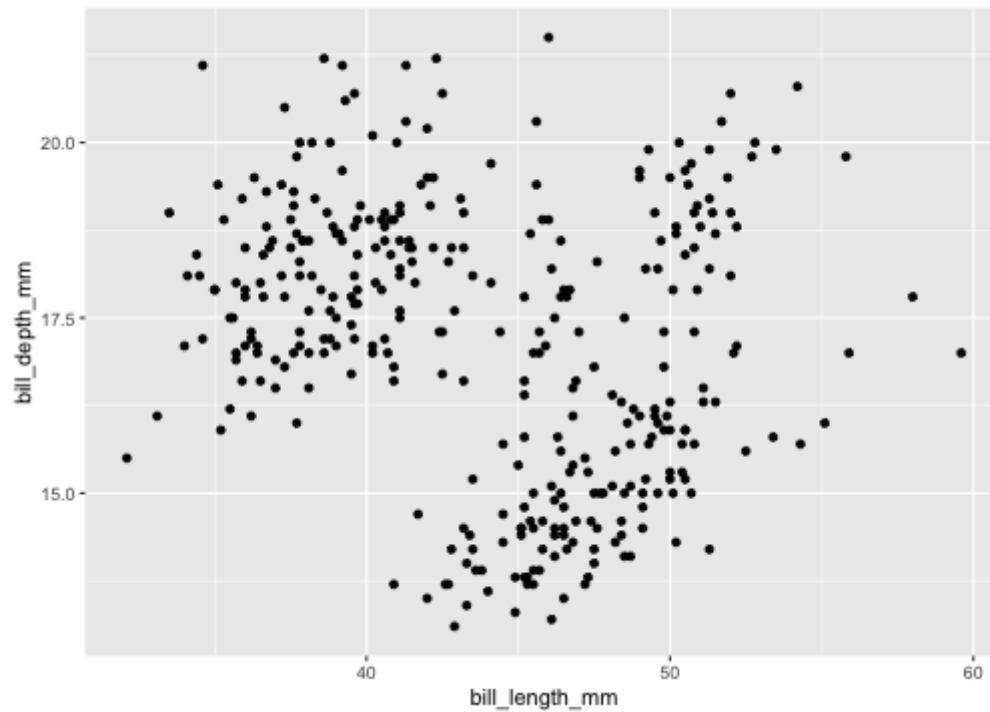


"Removed XX rows containing non-finite values (stat_bin)"



```
ggplot(data = penguins,  
       aes(x = bill_length_mm,  
           y = bill_depth_mm)) +  
  geom_point()
```

```
## Warning: Removed 2 rows containing missing values (geom_point).
```





Handling SPSS files with labelled columns



Save Source, not Workspace

Why do we not want to reload our data when we start RStudio?



Source: rstats.wtf



Data Viz Examples



Oregon by the Numbers Example



Using conditions in aes ()



Data Visualization Questions

What questions do you still have?



Next Week

1. 🌴 Catch up week. 🌴
2. No additional assignments, but please complete anything you're behind on
3. No live session
4. Office hours **will** happen
5. Book a one-to-one session with Charlie: rfor.us/charliechat