

csci297b Exercise 9

ggplot2

- For this project, use the `tidyverse` library, which includes the `mpg` dataset.
 - For this project, you will turn in a single R markdown file, called `exercise09.Rmd`
1. What `geom` would you use to draw a line chart? A boxplot? A histogram? An area chart?
 2. Earlier in this chapter we used `show.legend` without explaining it:

```
ggplot(mpg, aes(x = displ, y = hwy)) +  
  geom_smooth(aes(color = drv), show.legend = FALSE)
```

What does `show.legend = FALSE` do here? What happens if you remove it? Why do you think we used it earlier?

3. What does the `se` argument to `geom_smooth()` do?
4. Recreate the R code necessary to generate the following graphs. Note that wherever a categorical variable is used in the plot, it's `drv`.

