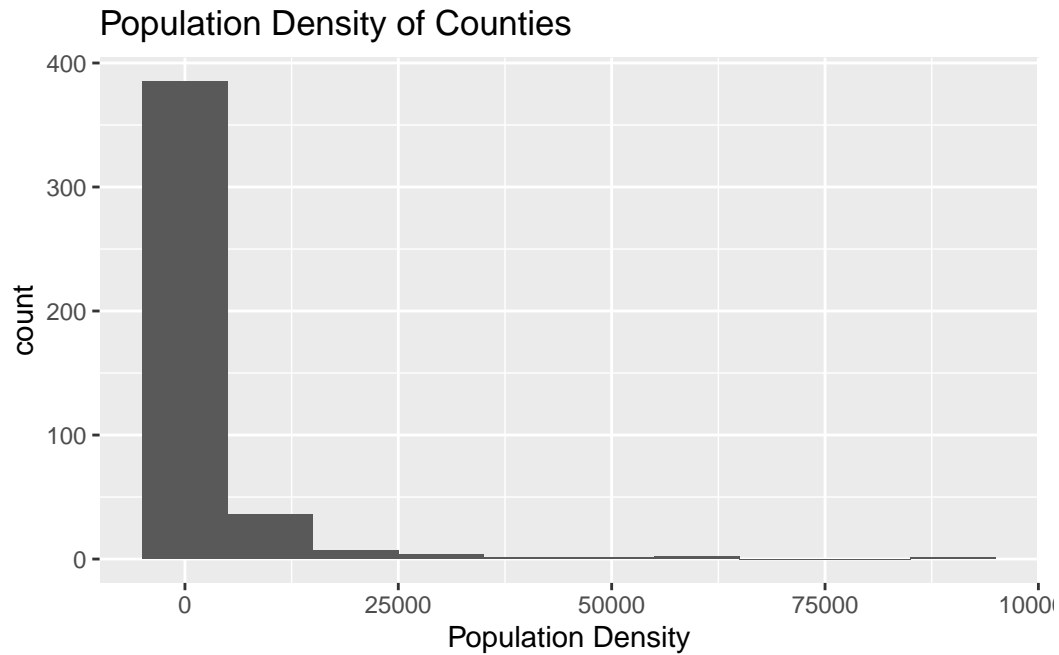# Lab 1 - Data visualization

Lauren Valle

Load Packages

```
library(tidyverse)
```

Warning in system("timedatectl", intern = TRUE): running command 'timedatectl'
had status 1
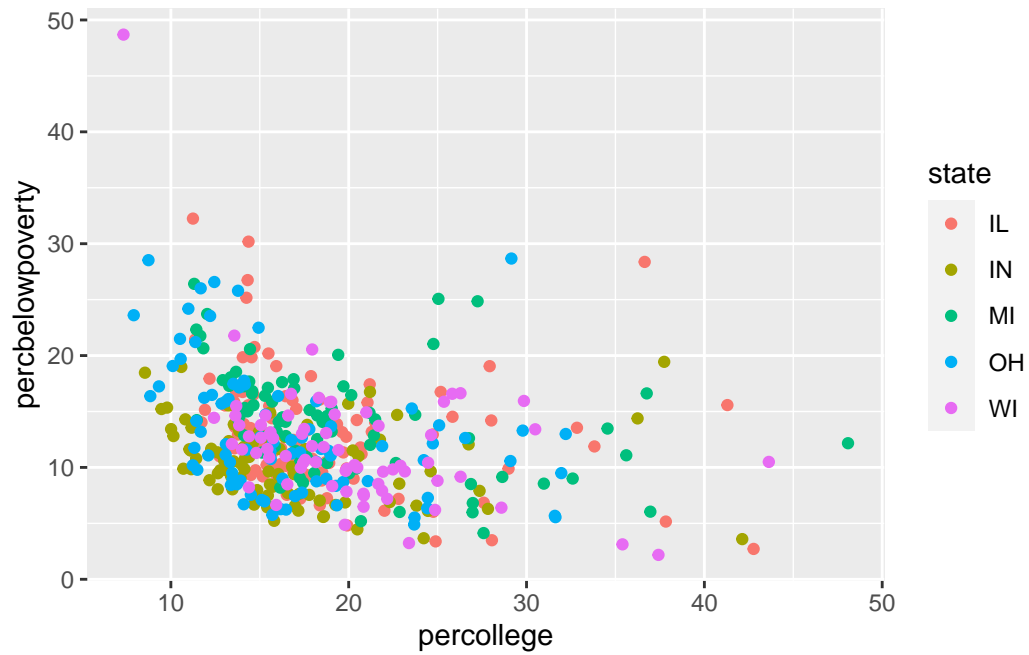
```
library(viridis)
```

Exercise 1

```
ggplot(midwest)+
  geom_histogram( aes(popdensity), binwidth = 10000)+
labs(
  x = "Population Density",
  y = "count",
  title = "Population Density of Counties"
)
```

Population Density of Counties

This histogram is right skewed. It looks like there is an outlier in between x=7500 and x = 100000

Exercise 2

```
ggplot(data = midwest,
       mapping = aes(x = percollege, y = percbelowpoverty, color = state)) +
  geom_point()
```

Exercise 3

(Type your answer to Exercise 3 here. Add code chunks as needed. Don't forget to label your code chunk. Do not use spaces in code chunk labels.)

Exercise 4

Exercise 5

Exercise 6

Exercise 7