Lab 1 - Data visualization

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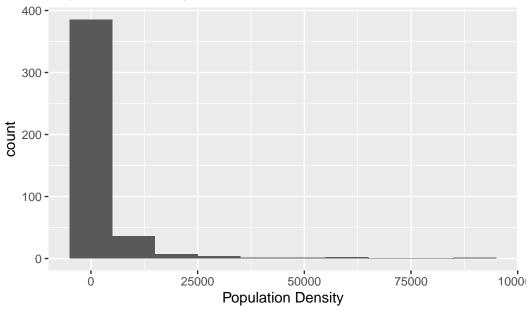
Load Packages

```
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"
)
```

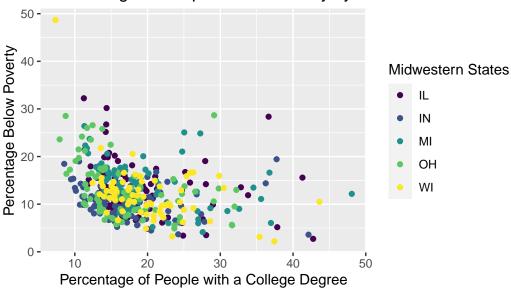




This histogram is right skewed. It looks like there is an outlier in between x=7500 and x=100000

Exercise 2

Percentage of People with a College Degree vs Percentage of People Below Poverty by State



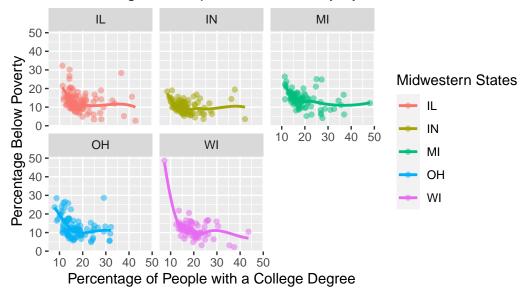
Exercise 3

This is a general trend among the states included in the dataset that those below the poverty line are less likely to obtain a college degree.

Exercise 4

^{&#}x27;geom_smooth()' using method = 'loess' and formula 'y ~ x'

Percentage of People with a College Degree vs Percentage of People Below Poverty by State



- Exercise 5
- Exercise 6
- Exercise 7