Lab 1 - Data visualization

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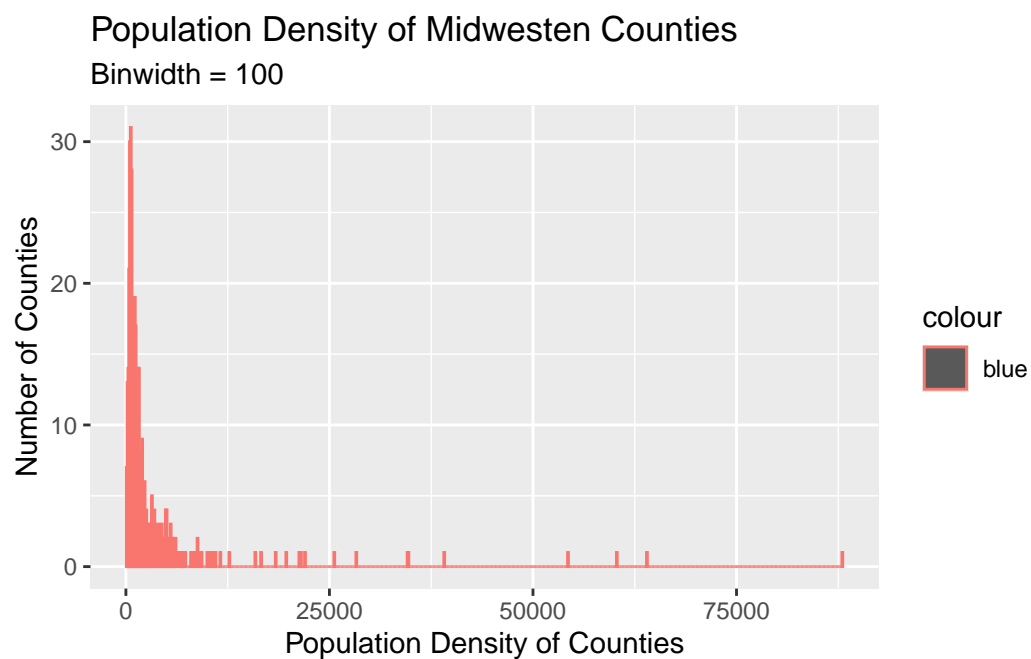## Questions

Part 1

```
library(tidyverse)
```

```
-- Attaching core tidyverse packages ----------------------- tidyverse 2.0.0 --
v dplyr      1.1.4      v readr      2.1.6
v forcats    1.0.1      v stringr    1.6.0
v ggplot2    4.0.1      v tibble     3.3.0
v lubridate 1.9.4       v tidyr      1.3.2
v purrr      1.2.0
-- Conflicts ------------------------------------------ tidyverse_conflicts() --
x dplyr::filter() masks stats::filter()
x dplyr::lag()    masks stats::lag()
i Use the conflicted package (<http://conflicted.r-lib.org/>) to force all conflicts to becom
```
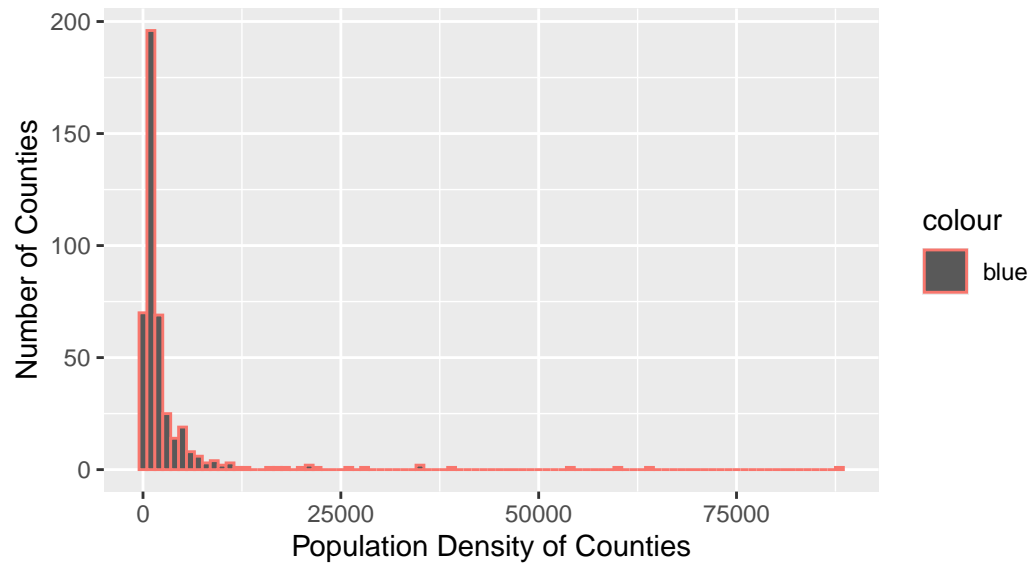
Question 1

```
ggplot(midwest, aes(x = popdensity, color= "blue")) +
  geom_histogram(binwidth = 100) +
  labs(
    x = "Population Density of Counties",
    y = "Number of Counties",
    title = "Population Density of Midwesten Counties",
    subtitle = "Binwidth = 100"
  )
```

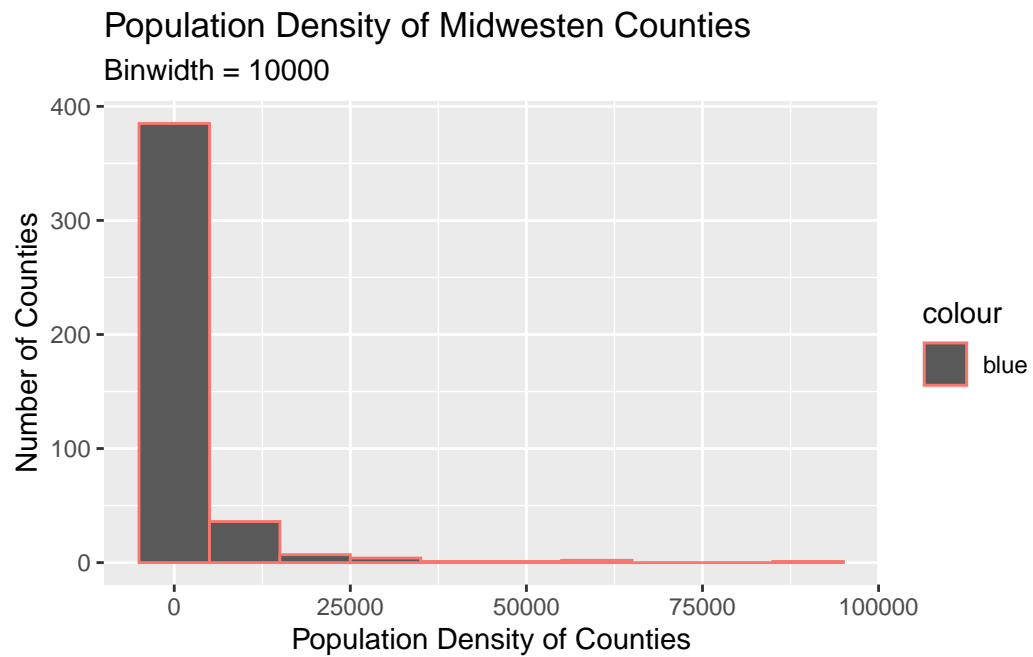## Population Density of Midwesten Counties
Binwidth = 100


```r
ggplot(midwest, aes(x = popdensity, color= "blue")) +
  geom_histogram(binwidth = 1000) +
  labs(
    x = "Population Density of Counties",
    y = "Number of Counties",
    title = "Population Density of Midwesten Counties",
    subtitle = "Binwidth = 1000"
  )
```

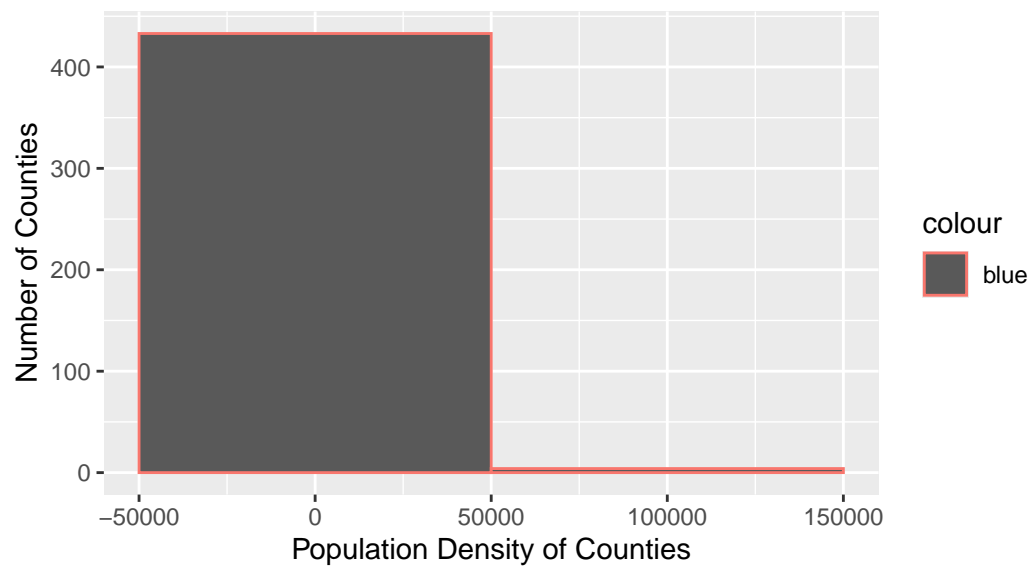## Population Density of Midwesten Counties
Binwidth = 1000


```
ggplot(midwest, aes(x = popdensity, color= "blue")) +
  geom_histogram(binwidth = 10000) +
  labs(
    x = "Population Density of Counties",
    y = "Number of Counties",
    title = "Population Density of Midwesten Counties",
    subtitle = "Binwidth = 10000"
  )
```

Population Density of Midwesten Counties
Binwidth = 10000


```
ggplot(midwest, aes(x = popdensity, color= "blue")) +
  geom_histogram(binwidth = 100000) +
  labs(
    x = "Population Density of Counties",
    y = "Number of Counties",
    title = "Population Density of Midwesten Counties",
    subtitle = "Binwidth = 100000"
  )
```

Population Density of Midwesten Counties
Binwidth = 100000

Question 2

Question 3

Question 4

Question 5

Question 6

Question 7

Part 2

Enough about the Midwest!

Question 8

Question 9