R Notebook
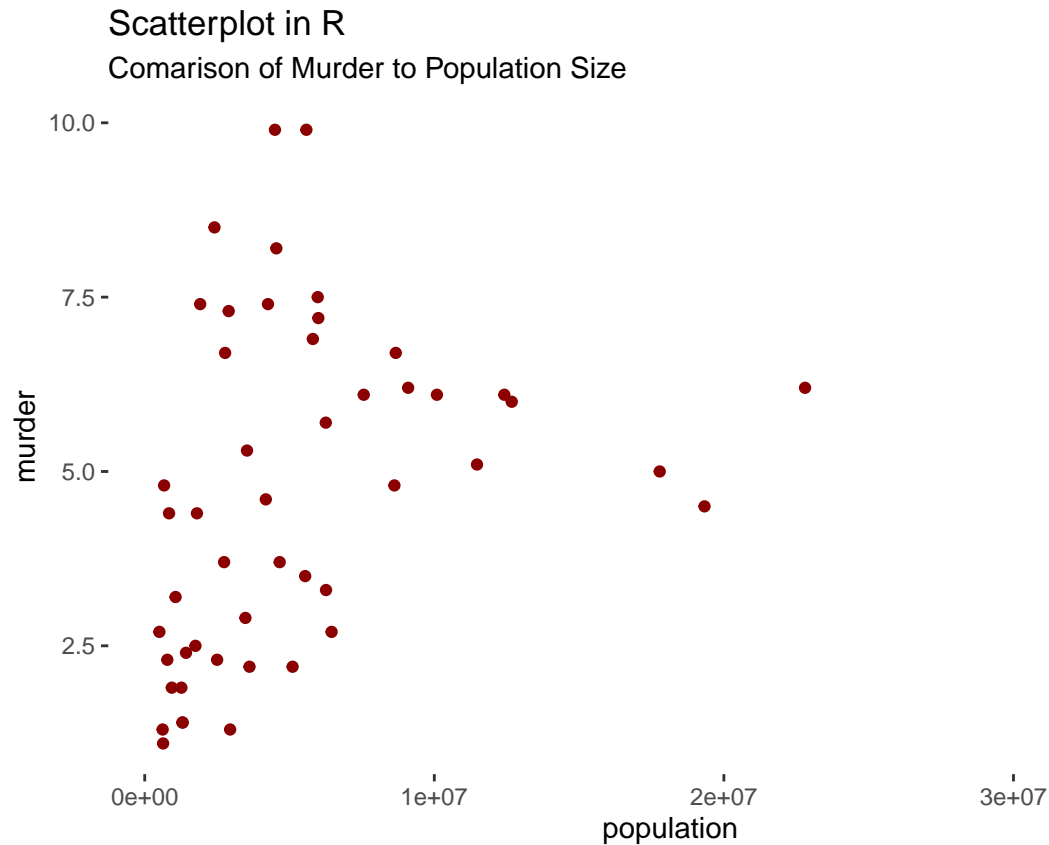
```
birth_rate <- read.csv('birth-rate.csv')
birth_rate_yearly <- read.csv('birth-rates-yearly.csv')
crime_rate <- read.csv('crimerates-by-state-2005.csv')
```
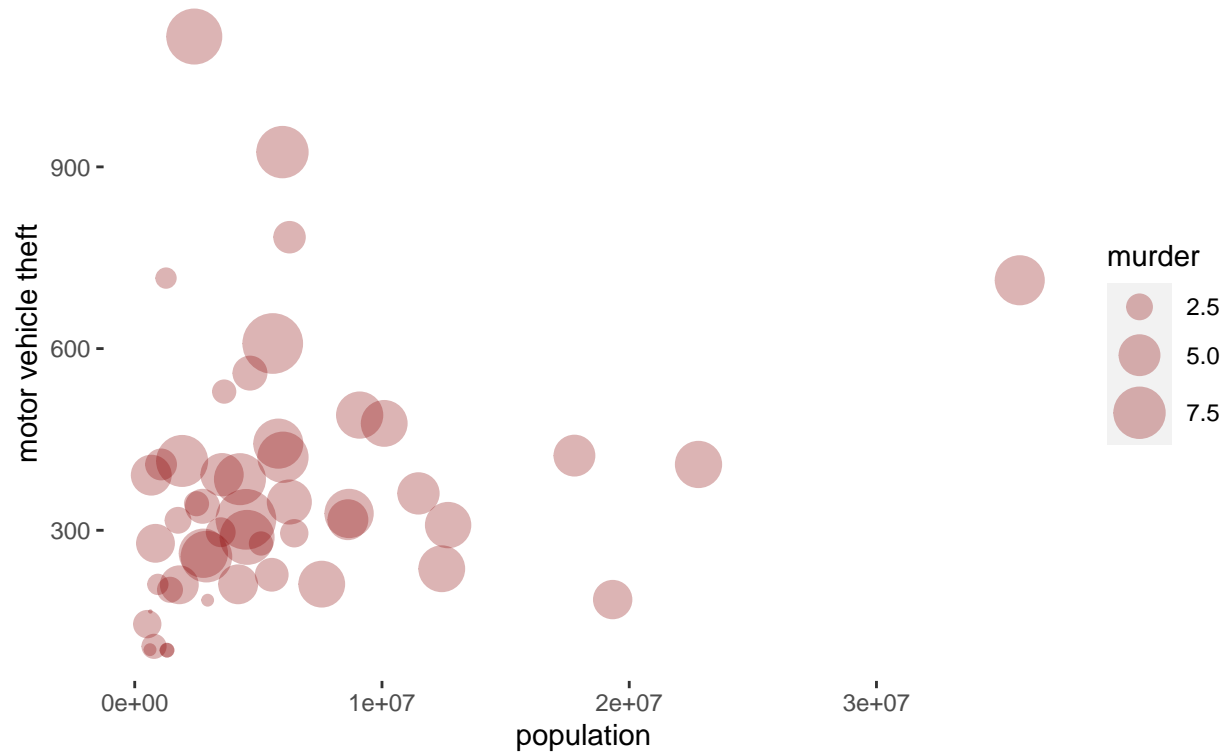
```
library(ggplot2)
states <- crime_rate[(crime_rate$state != 'United States') & (crime_rate$state != 'District of Columbia
ggplot(states, aes(x= population, y= murder)) + geom_point(color= 'darkred')  + ggtitle('Scatterplot in
```



```
ggplot(states, aes(x= population, y= motor_vehicle_theft, size= murder)) + geom_point(color='darkred',
```

Bubble Chart in R

Effect of Motor Vehicle Theft and Population on Murder


```r
ggplot(crime_rate) + geom_density(aes(x= forcible_rape, col= 'rape'), size=1) + geom_density(aes(x= murd
```

Density Plot in R

Comparing the distribution of murde and rape rates