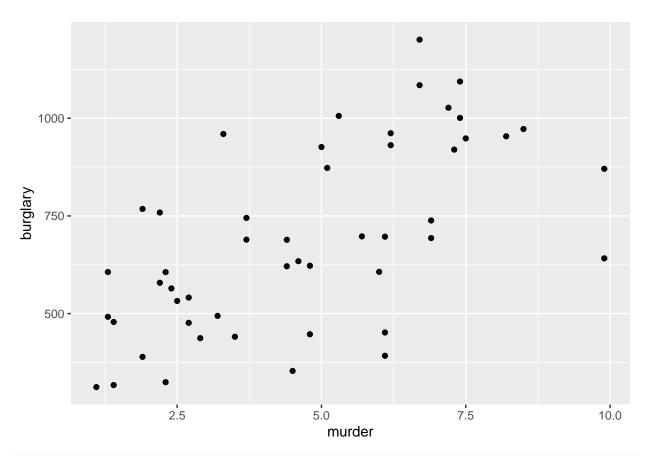
$Exercise_4-3_Week_7-8$

Tushar Muley

10/15/2021

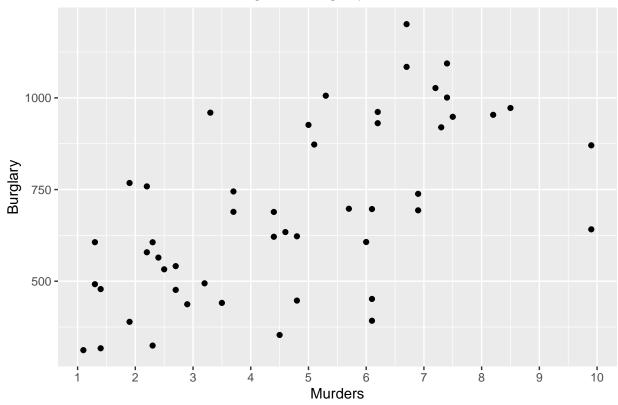
```
Load Libraries
```

```
library(ggplot2)
library(stringr)
library(dplyr)
##
## Attaching package: 'dplyr'
## The following objects are masked from 'package:stats':
##
##
       filter, lag
## The following objects are masked from 'package:base':
##
##
       intersect, setdiff, setequal, union
library(readr)
library(tidyr)
library(readxl)
Load data
crimerate <- read_excel('C:/Users/Tushar/Documents/Bellevue_University/DSC_640_Class/Week_7_8/crimerate</pre>
Scatter Plot
my_plot <- ggplot(crimerate, aes(x = murder, y = burglary)) +</pre>
  geom_point()
my_plot
```



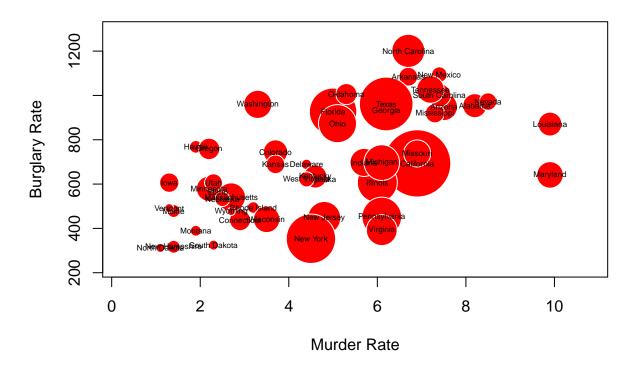
```
my_plot +
    scale_x_continuous(breaks = seq(0, 10, by = 1)) +
    scale_y_continuous(breaks = seq(0, 1500, by = 250)) +
    labs(
        x = 'Murders',
        y = 'Burglary',
        title = 'R Scatter Plot: Murders against burglary'
    )
```

R Scatter Plot: Murders against burglary



Blubble Chart

R Bubble Chart: Murders against burglary rates

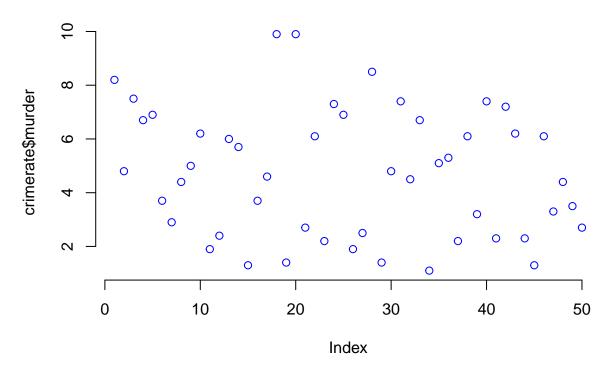


integer(0)

Density Chart

plot(crimerate\$murder, frame = FALSE, col = "blue",main = "Density plot")

Density plot



R Density and Histogram Plot: Murder Rate



```
# Change line color and fill color
ggplot(crimerate, aes(x=murder))+
  geom_density(color="darkblue", fill="lightblue")+
  labs(
    x = 'Murders Rate',
    y = 'Density',
    title = 'R Density: Murders Rate')
```

R Density: Murders Rate

