# Graph Assignment R

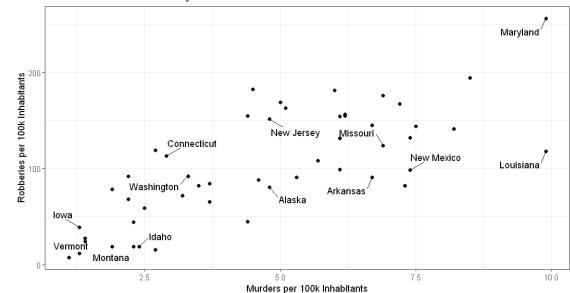
April 26, 2021

### 1 4.2 Exercises: Scatterplots, Bubble Charts, & Density Plots - R

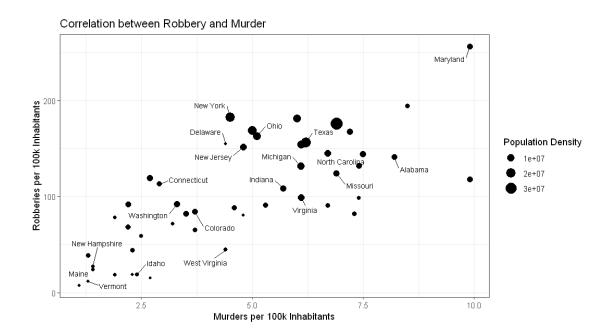
Michael Hotaling

#### 2 Scatter Plot





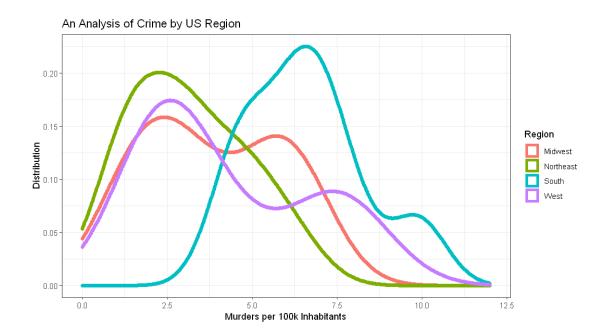
#### 3 Bubble Plot



## 4 Density Plot

```
[26]: df <- read.csv("state_data.csv")
    colnames(crimerate)[1] <- "State"
    crimerate2 <- merge(crimerate,df,by=c("State"))

[28]: ggplot(data = crimerate2, aes(x = murder, color = Region)) +
    geom_density(size = 2) +
    xlim(0,12) +
    xlab("Murders per 100k Inhabitants") +
    ylab("Distribution") +
    ggtitle("An Analysis of Crime by US Region") +
    theme_bw()</pre>
```



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