

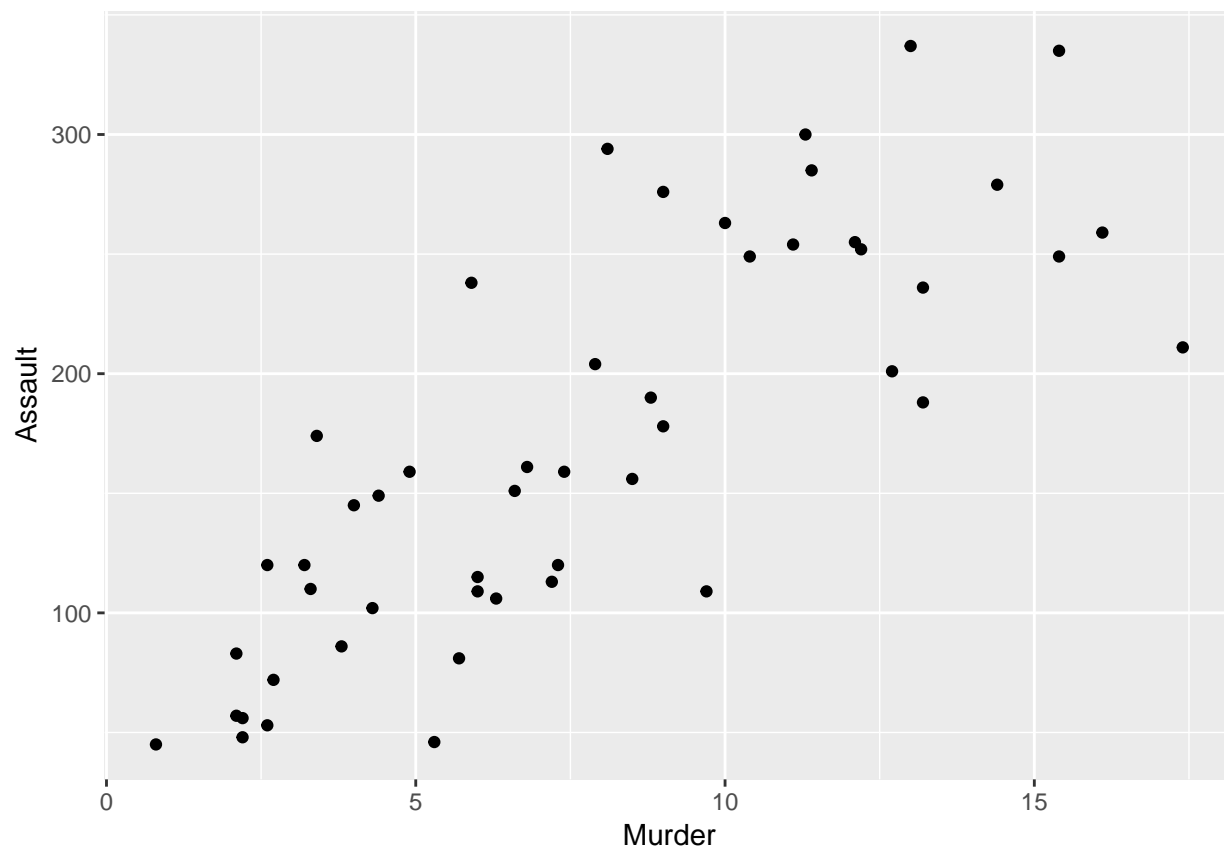
# lab0

*Hongxu Ma*

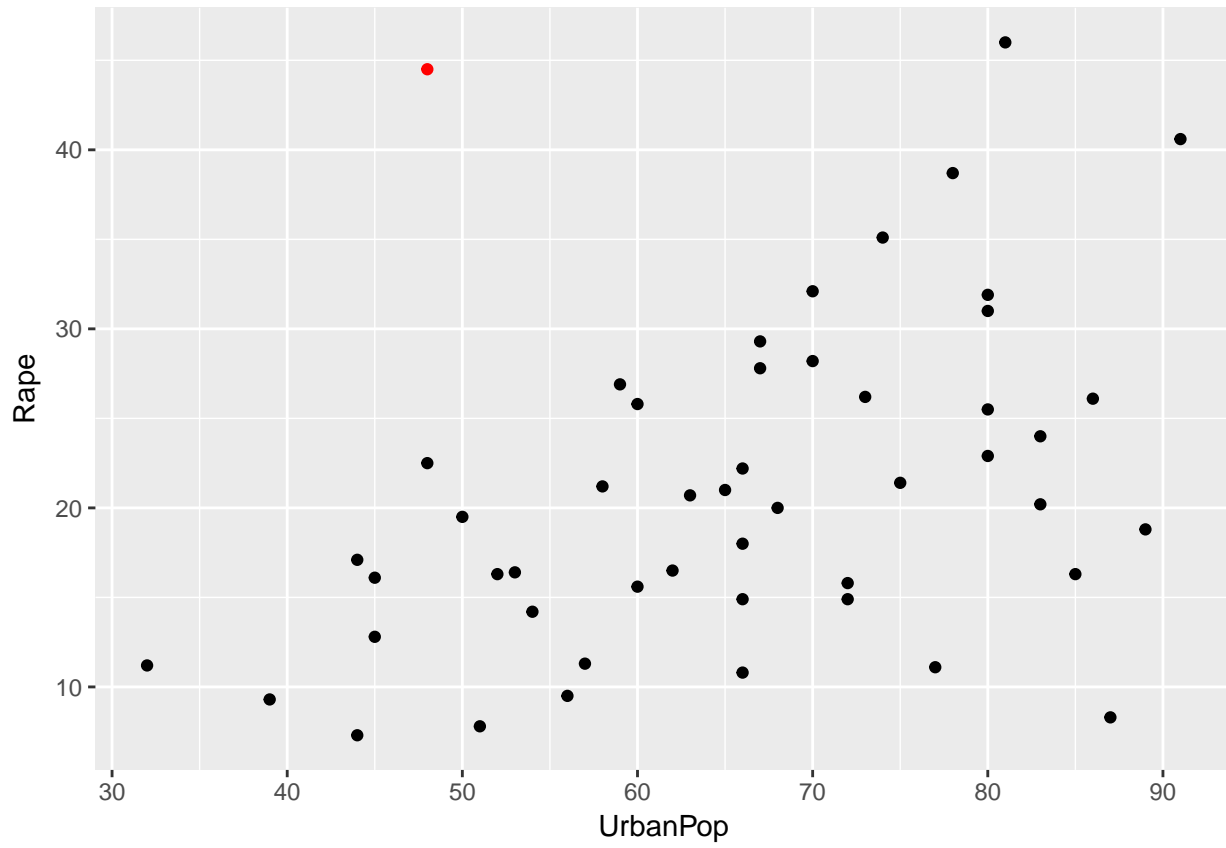
*8/30/2017*

## 1. Visualizing the data

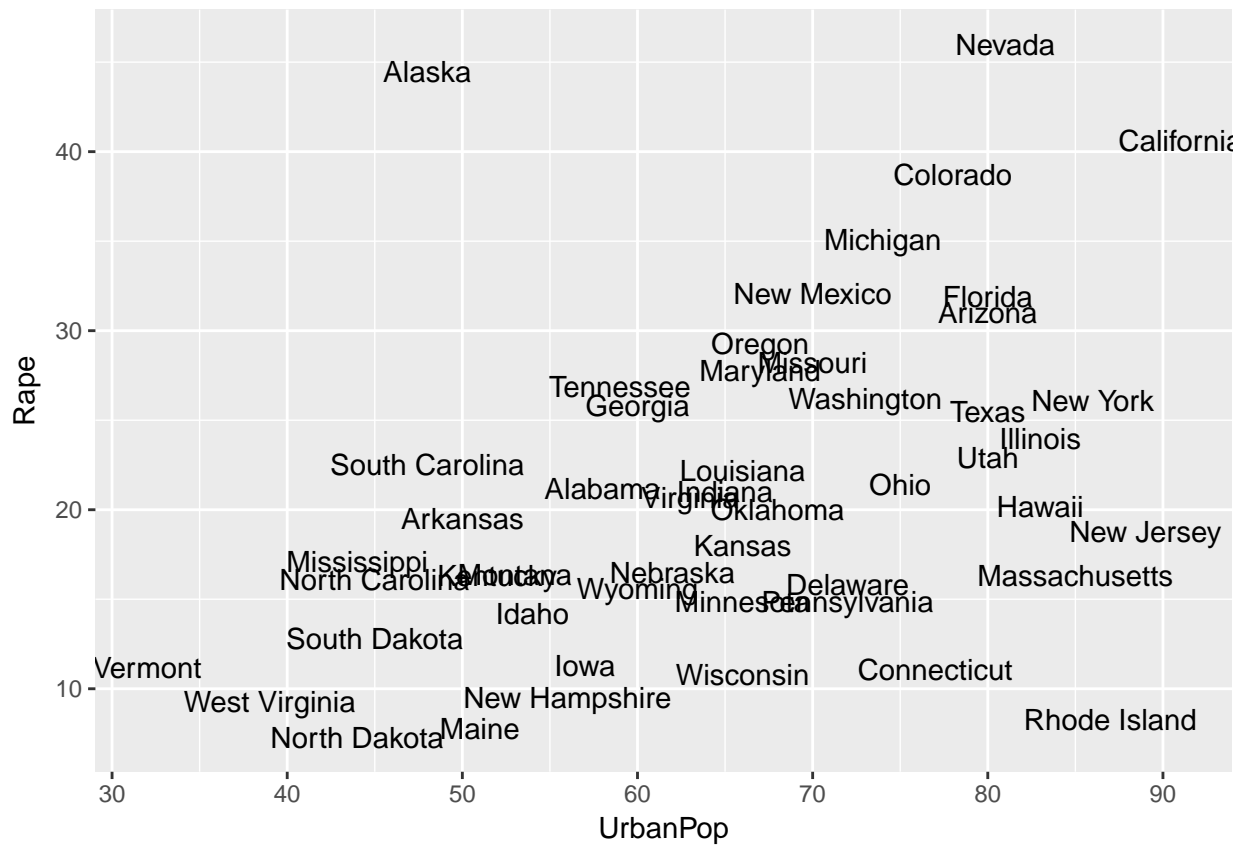
### 1.1 Plot Murder vs Assault



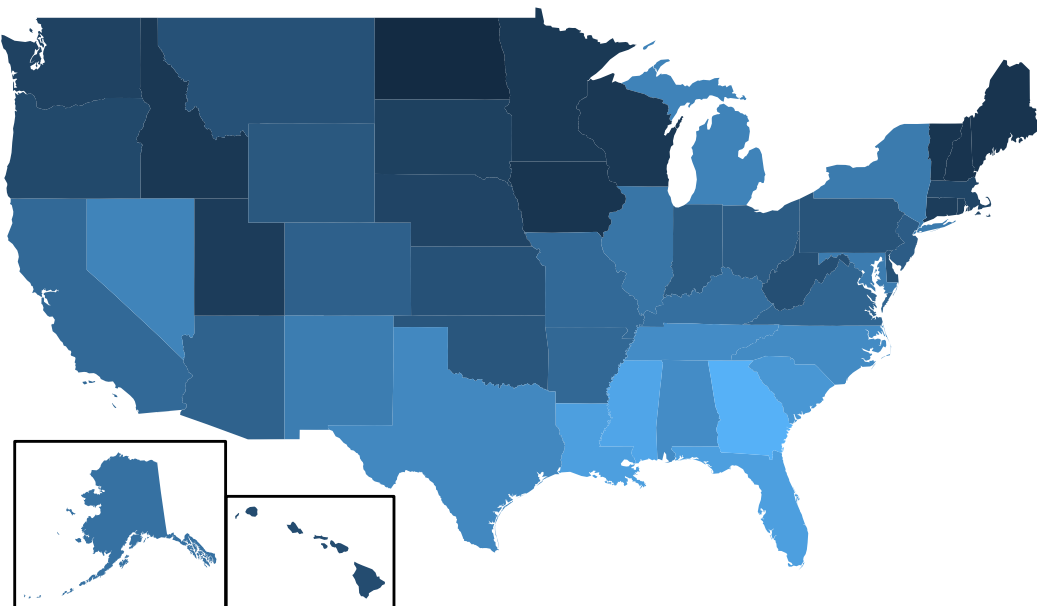
## 1.2 Rape with urban population



### 1.3 Plots with the state names



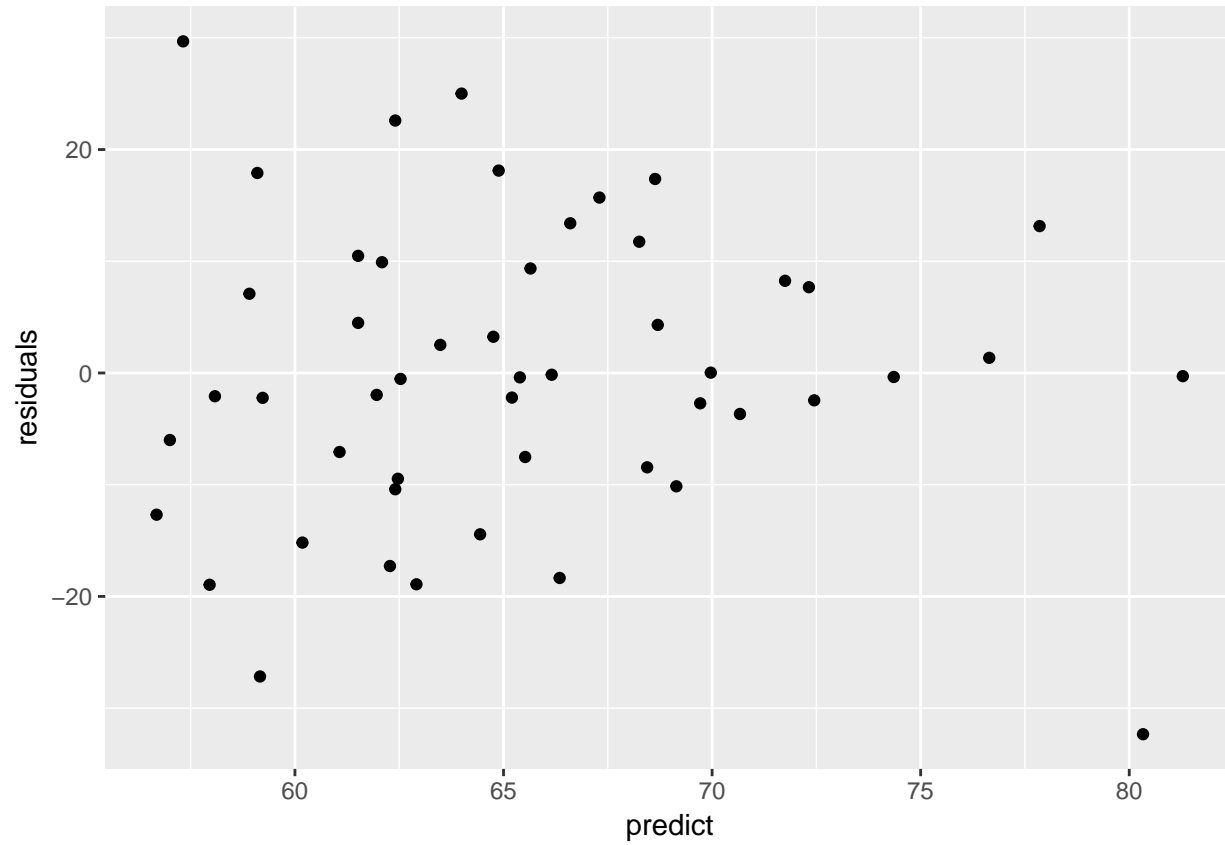
#### 1.4 Plot a map



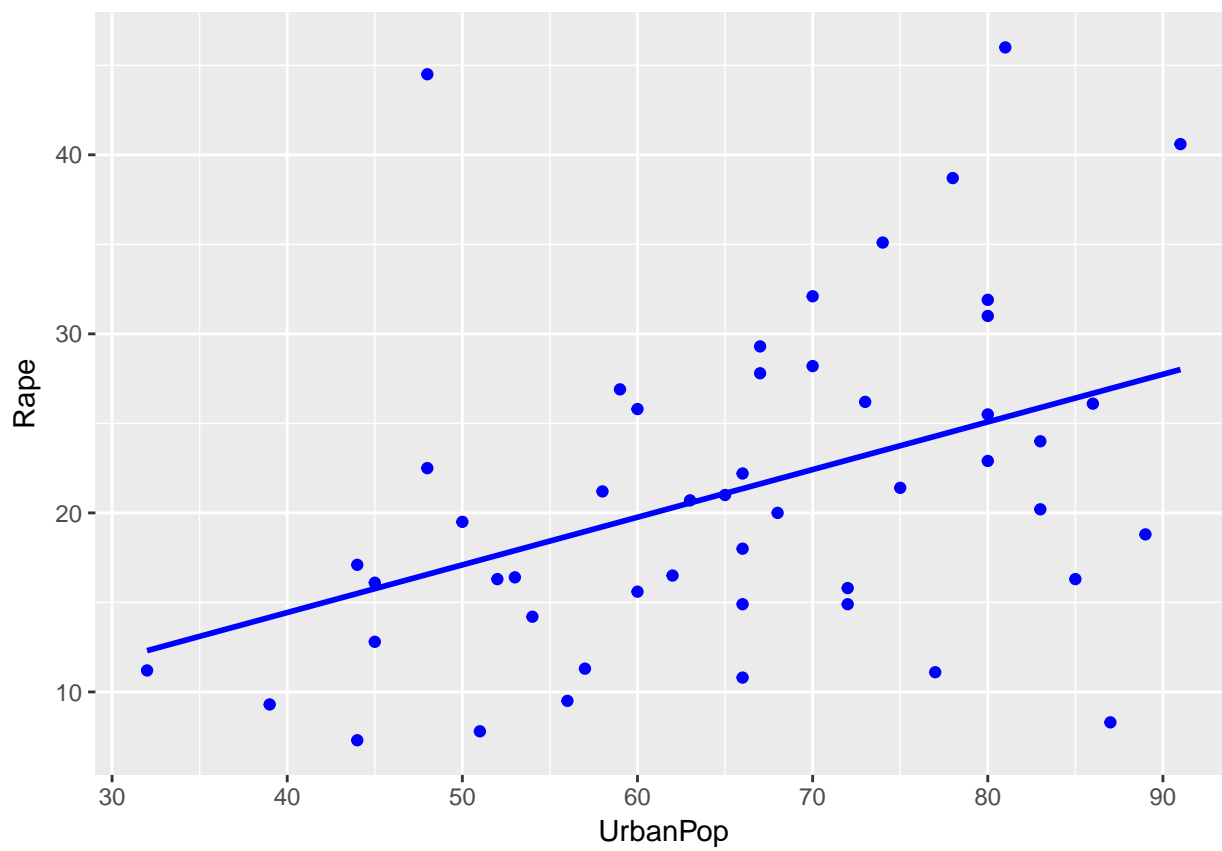
## 2. Regression

### 2.1 Fit a linear regression of urban population on Rape

### 2.2 Plot predicted values vs the residuals



### 2.3 Rape vs urban population with regression



## 2.4 refit without outlier

## 2.6 Publishable graph

