Week 1 Assignment Question 1

December 19, 2016

Question 1

Make a plot that answers the question: what is the relationship between mean covered charges (Average.Covered.Charges) and mean total payments (Average.Total.Payments) in New York?

1. Load Data

```
mypath <- "./data/week1_payments.csv"</pre>
mydf <- read.csv(mypath)</pre>
dim(mydf)
## [1] 6401
              12
names(mydf)
   [1] "DRG.Definition"
   [2] "Provider.Id"
##
    [3] "Provider.Name"
  [4] "Provider.Street.Address"
##
## [5] "Provider.City"
   [6] "Provider.State"
##
   [7] "Provider.Zip.Code"
##
##
   [8] "Hospital.Referral.Region.Description"
  [9] "Total.Discharges"
## [10] "Average.Covered.Charges"
## [11] "Average.Total.Payments"
## [12] "Average.Medicare.Payments"
```

2. Subset Data

```
summary(mydf$Provider.State)

## CA FL IL NY PA TX
## 1514 972 743 933 808 1431

mydf2 <- mydf[mydf$Provider.State == "NY", ]
dim(mydf2)

## [1] 933 12</pre>
```

3. Plot

Plot 1 Relationship between Mean Covered Charges and Mean Total Payments in New York

