Plotting Practice - Part 1

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Overview

This report illustrates the relationship between average covered charges and total payments made by inpatients through the Inpatient Prospective Payment System (IPPS) for the top 100 Diagnosis-Related Groups in the state of New York.

Obtaining the Processed Data

The data comes in a processed csv file named payments.csv. This data contains information about the IIPS for six different states (California, Florida, Illinois, New York, Pennsylvania, and Texas).

```
payments <- read.csv('payments.csv')</pre>
```

Subsetting the Data

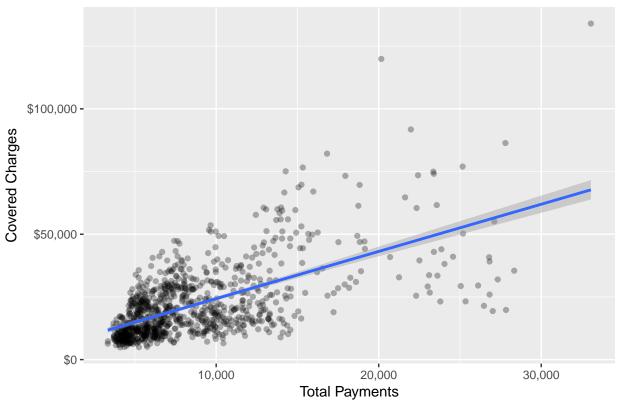
To isolate just the data pertaining to New York state, the data must be subsetted.

```
NYpayments <- subset(payments, Provider.State == "NY")
```

Plot

The following plot illustrates the relationship between mean covered charges and mean total payments in New York.

Mean Covered Charges vs. Mean Total Payments - New York State



From this graph, it can be determined that there is a strong and positive linear correlation between mean covered charges and mean total payments in the state of New York.