

Panel Data

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```
library(car)

## Warning: package 'car' was built under R version 3.5.1

## Loading required package: carData

library(ggplot2)

## Warning: package 'ggplot2' was built under R version 3.5.1

library(sqldf)

## Warning: package 'sqldf' was built under R version 3.5.1

## Loading required package: gsubfn

## Loading required package: proto

## Loading required package: RSQLite

library(plm)

## Warning: package 'plm' was built under R version 3.5.1

## Loading required package: Formula

library(prediction)

## Warning: package 'prediction' was built under R version 3.5.1

library(Metrics)
```

Warning: package 'Metrics' was built under R version 3.5.1

R Markdown

This is an R Markdown document. Markdown is a simple formatting syntax for authoring HTML, PDF, and MS Word documents. For more details on using R Markdown see <http://rmarkdown.rstudio.com>.

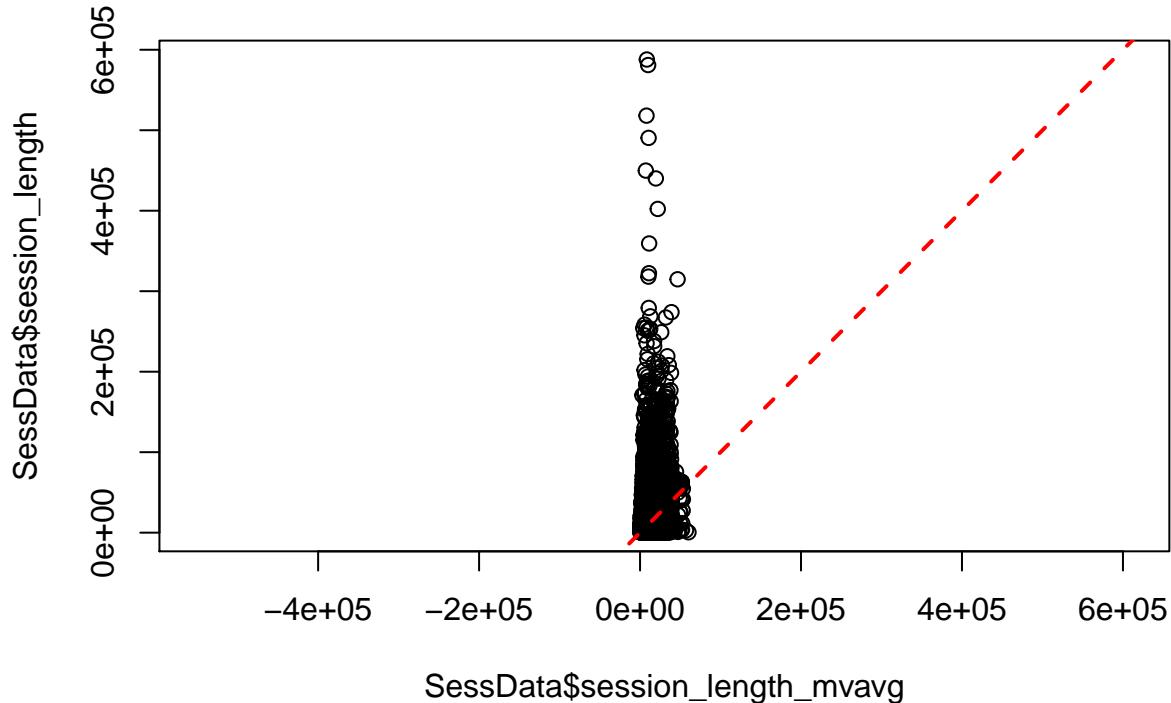
When you click the **Knit** button a document will be generated that includes both content as well as the output of any embedded R code chunks within the document. You can embed an R code chunk like this:

```

usrSessData <- read.csv(file="C:/Users/jayashree.raman/Documents/Learning/MIDS/capstone/datasets/userrs
SessData<- na.omit(usrSessData)

# Fitted-vs-observed plot
plot(SessData$session_length_mvavg, SessData$session_length, asp = 1)
abline(0, 1, col = 'red', lty = 'dashed', lwd = 2)

```



```

## Mean absolute error
mae_baseline <- mae(SessData$session_length_mvavg, SessData$session_length)
rmse_baseline <- rmse(SessData$session_length_mvavg, SessData$session_length)

cat('MAE - ', mae_baseline, ', RMSE ', rmse_baseline)

## MAE - 4624.732 , RMSE 9067.792

```