# Homework 2

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#### #Problem 1

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:

### summary(cars)

```
##
        speed
                        dist
   Min. : 4.0
                        : 2.00
##
                   Min.
   1st Qu.:12.0
                   1st Qu.: 26.00
##
##
   Median:15.0
                   Median : 36.00
##
   Mean
           :15.4
                   Mean
                          : 42.98
##
   3rd Qu.:19.0
                   3rd Qu.: 56.00
           :25.0
   Max.
                   Max.
                          :120.00
```

### **Including Plots**

You can also embed plots, for example:



Note that the  $\mbox{echo}$  = FALSE parameter was added to the code chunk to prevent printing of the R code that generated the plot.