Homework 32

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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.

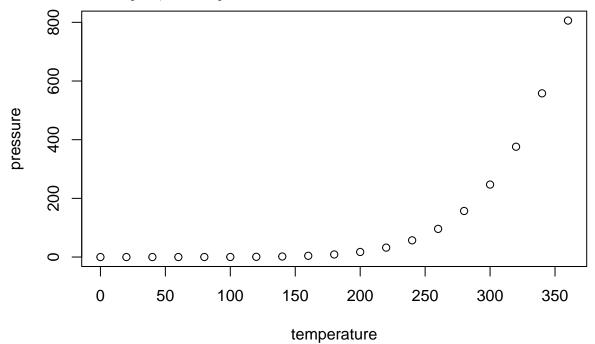
When you click the **Knit** button a document will be generated that includes both content as well as the output of any embedded R code chunks within the document. You can embed an R code chunk like this:

summary(cars)

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

Including Plots

You can also embed plots, for example:



Note that the echo = FALSE parameter was added to the code chunk to prevent printing of the R code that generated the plot.

```
pg. 139 #37, 39, 43, 45abce, 47
\#37 a. 2.5\%
253.76 + 2 * 312.36
## [1] 878.48
  b. 2.5\% of receivers gain more than 878.48 yards.
#39 a.
1 - pnorm(10.3, mean=8, sd=1.5)
## [1] 0.06259687
  b.
pnorm(9.1, mean=8, sd=1.5)
## [1] 0.7683224
  c.
pnorm(10.3, mean=8, sd=1.5) - pnorm(9.1, mean=8, sd=1.5)
## [1] 0.1690807
\#43 a.
qnorm(0.4, mean=8, sd=1.5)
## [1] 7.619979
  b.
qnorm(0.99, mean=8, sd=1.5)
## [1] 11.48952
qnorm(0.75, mean=8, sd=1.5) - qnorm(0.25, mean=8, sd=1.5)
## [1] 2.023469
\#45 a.
curve(dnorm(x, mean=188, sd=24),
       xlim=c(188 - 4*24, 188 + 4*24),
       main="Normal Distribution of Cholestrol Levels of Adult American Women",
       ylab="density")
```

Normal Distribution of Cholestrol Levels of Adult American Womer

