# Rmarkdown Practice Data

## FirstDocument

## Reading data into R Question1

setwd("C:/Kingshuk/Personal/College/Fall\_2015/Mathuram\_BigData/Data\_R/Big\_Data")  
mydata<-read.csv("Ozone\_data.csv")

## Running the linear equation Question2

summary(lm(Ozone ~ Temp+Month, data = mydata))

##   
## Call:  
## lm(formula = Ozone ~ Temp + Month, data = mydata)  
##   
## Residuals:  
## Min 1Q Median 3Q Max   
## -41.814 -14.587 0.031 11.468 120.272   
##   
## Coefficients:  
## Estimate Std. Error t value Pr(>|t|)   
## (Intercept) -138.7831 18.8220 -7.373 3.57e-11 \*\*\*  
## Temp 2.6739 0.2568 10.412 < 2e-16 \*\*\*  
## Month -3.7596 1.6610 -2.264 0.0256 \*   
## ---  
## Signif. codes: 0 '\*\*\*' 0.001 '\*\*' 0.01 '\*' 0.05 '.' 0.1 ' ' 1  
##   
## Residual standard error: 23.48 on 108 degrees of freedom  
## Multiple R-squared: 0.5112, Adjusted R-squared: 0.5021   
## F-statistic: 56.46 on 2 and 108 DF, p-value: < 2.2e-16

## Ozone is Directly proportional to Temp

## Ozone is Indirectly proportional to Wind

## & Wind impacts more than Temp -- Question3