Markdown_Lab2

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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.

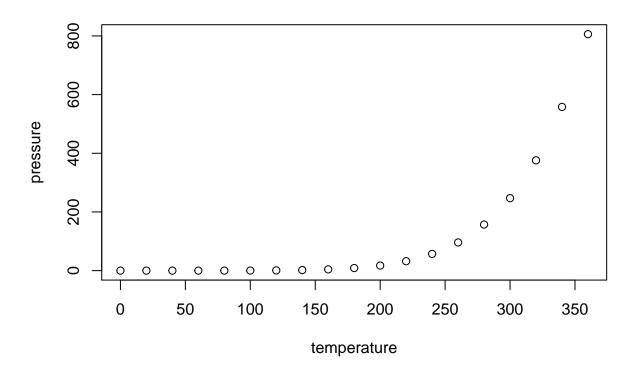
When you click the \mathbf{Knit} button a document will be generated that includes both content as well as the output of any embedded R code chunks within the document. You can embed an R code chunk like this:

summary(cars)

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

```
\#\# {\bf Calculations} with defined data
```

1 a 10

```
department <- 38
employees <- 400
salary <- 100000
print(department+employees)
## [1] 438
print(employees*salary)
## [1] 4e+07
\#\# the square function
square_function <- function(a){return(a*a)}</pre>
square_function(9)
## [1] 81
A <- c("a", "a", "b", "b")
B \leftarrow c(10, 20, 30, 40)
dataframe <- data.frame(A, B)</pre>
print(dataframe)
##
     Α
       В
```

```
## 2 a 20
## 3 b 30
## 4 b 40

A <- c("a", "a", "b", "b")
B <- c(5, 10, 15, 20)
dataframe <- data.frame(A, B)
print(dataframe)

## A B
## 1 a 5
## 2 a 10</pre>
```