Untitled

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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.

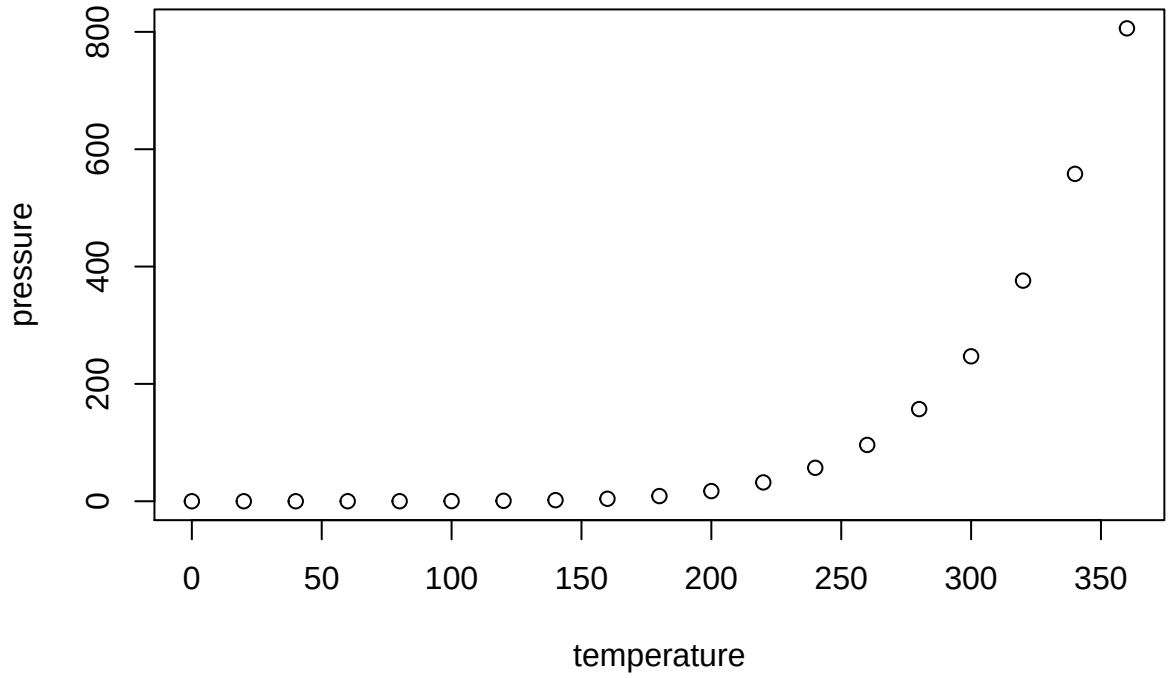
When you click the **Knit** button a document will be generated that includes both content as well as the output of any embedded R code chunks within the document. You can embed an R code chunk like this:

```
summary(cars)
```

```
##      speed           dist       
##  Min.   : 4.0   Min.   :  2.00  
##  1st Qu.:12.0   1st Qu.: 26.00  
##  Median :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.

create some data and look at it

We have created a vector of data x and also create y as the sin(x). The length of these 2 vectors is 91.

plot of x and y

```
plot(x,y)
```

plot only from begin [20] to end [50]

```
a <- params$begin
b <- params$end
plot(x[a:b],y[a:b])
```

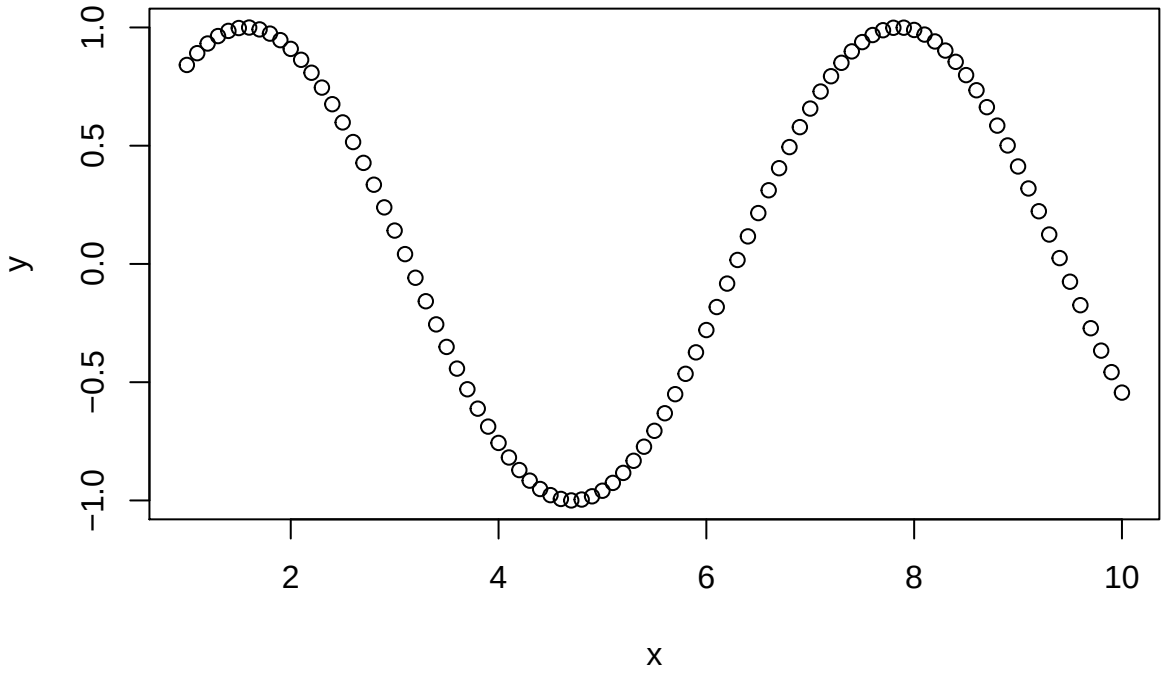
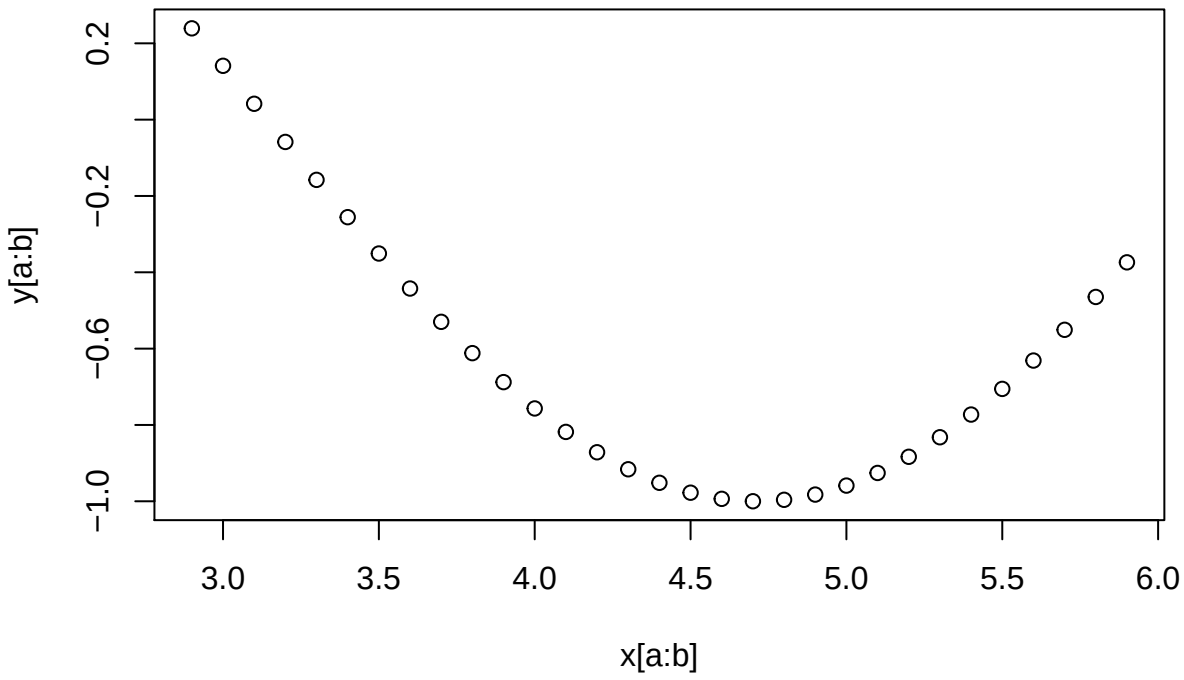


Figure 1: My First Figure


y[a:b]
0.2
−0.2
−0.6
−1.0
3.0
3.5
4.0
4.5
5.0
5.5
6.0
x[a:b]