

Module 04 - R Markdown Examples

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This is a level 1 header

R Markdown

This is a level 3 header

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> (<http://rmarkdown.rstudio.com>).

Here is a link to GOOGLE (<http://google.com>)

Here is a word in **bold** and another word in **bold**.

Here is a word in *italics* and another word in *italics*.

When we compile our document, we are using the `rmarkdown` package.

Here are some example R commands:

```
2+2  
mean(c(1,2,3,4,5))
```

Here is an example of a non-numbered list:

- Breakfast
 - food
 - eggs
 - toast
 - bacon
 - drink
 - apple juice
- Lunch
 - taco
- Dinner
 - baked chicken
 - broccoli
 - rice

We can make this same list numbered, but simply using numbers or letters.

Here is an example of a numbered list:

1. Breakfast
 - a. food

- i. eggs
 - ii. toast
 - iii. bacon
- b. drink
 - i. apple juice
- 2. Lunch
 - a. taco
- 3. Dinner
 - a. baked chicken
 - b. broccoli
 - c. rice

Here is an example of blockquote:

This is a block quote. This paragraph has two lines.

- 1. This is a list inside a block quote.
- 2. Second item.

Here is an example of nested blockquote:

This is a block quote. This paragraph has two lines.

This text is nested

Here is an example of code in a blockquote:

```
2+2
mean(c(1,2,3,4,5))
```

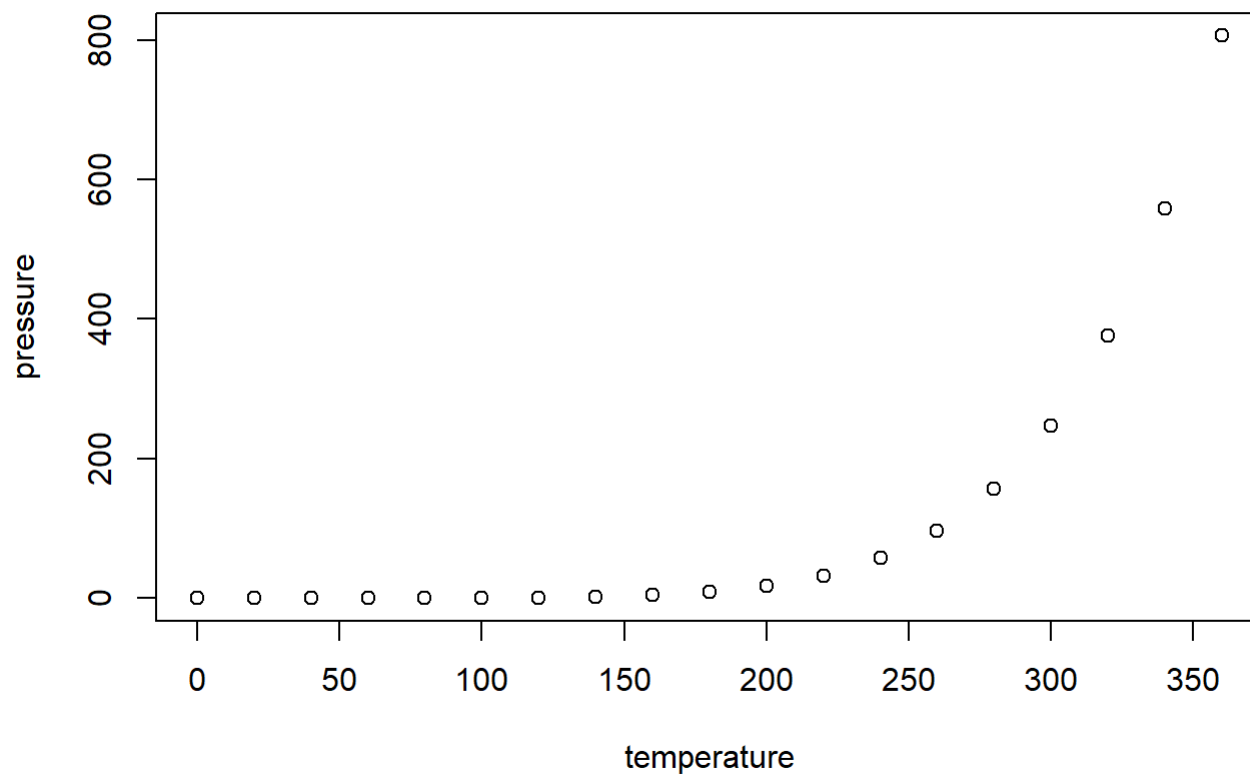
When you click the **Knit** button a document will be generated that includes both content as well as the output of any embedded R code chunks within the document. You can embed an R code chunk like this:

```
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
```

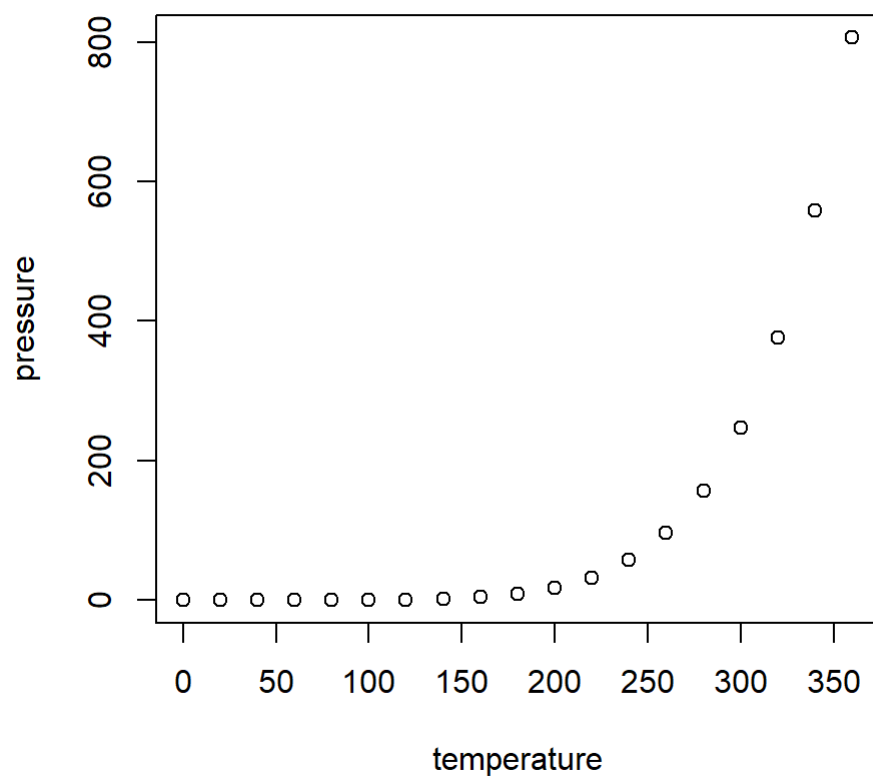
Including Plots

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.

```
plot(pressure)
```



Insert Tables

```
knitr::kable(head(cars),
               caption = "Top 6 Rows of Cars Dataset")
```

Top 6 Rows of Cars Dataset

	speed	dist
	4	2
	4	10
	7	4
	7	22
	8	16
	9	10

Insert an equation

$$Y = \beta_0 + \beta_1 x$$

Insert test with some footnotes

Here is footnote reference ¹ and another ²

Here is an inline footnote ³

-
1. Here is the footnote.↵
 2. Here's one with multiple blocks.↵
 3. Inline notes are easier to write, since you don't have to pick an identifier and move down to type the note.↵