

Module 2 - R Markdown Document 1

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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>.

Here is a link to [GOOGLE](#)

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 `rmardown` package.

2 + 2

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

For list we will use the rule of the 4 spaces for each levels!

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 a example of 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 a block quote:

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 block quote:

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

This text is nested

Here is an example of code in a blockquote (we need 5 spaces after “>”:

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

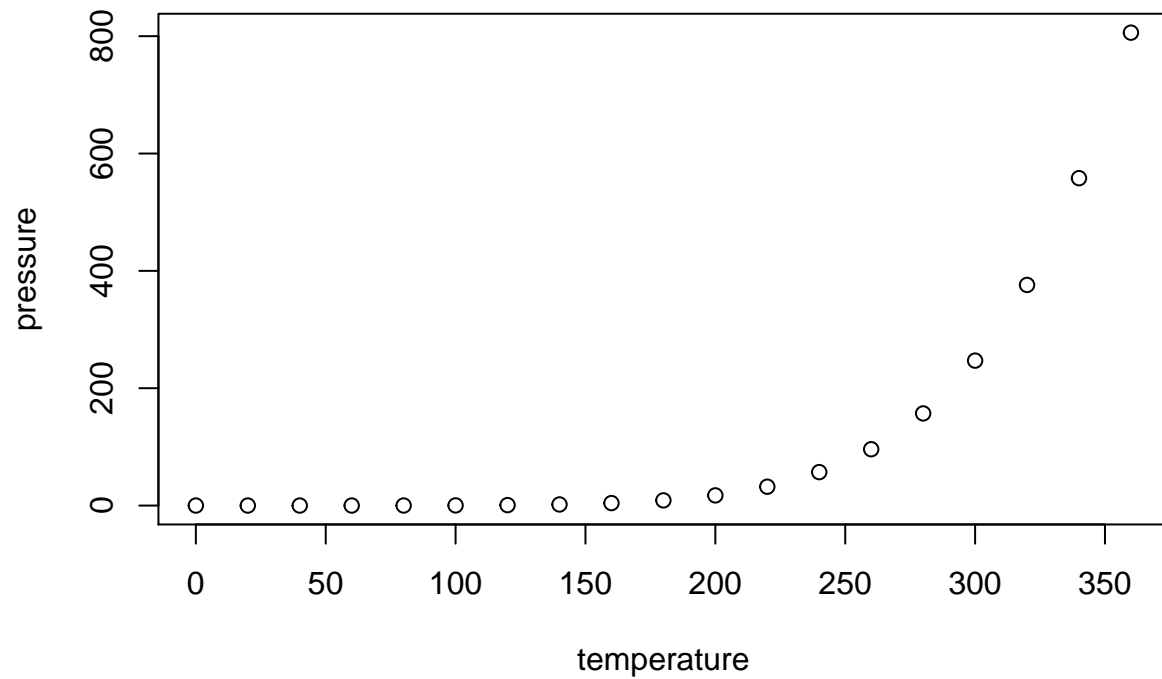
When you click the **Knit** button a document will be generated that includes both content as well as the output of any embedded R code chunks within the document. You can embed an R code chunk like this:

```
summary(cars)
```

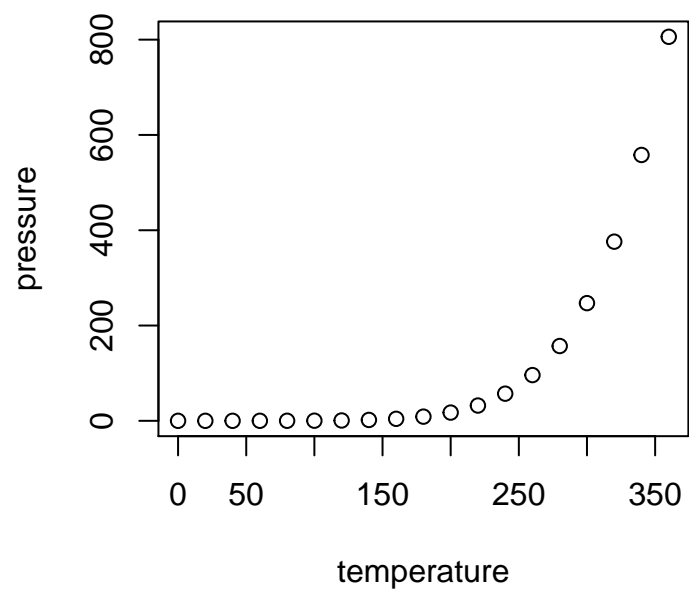
```
##      speed      dist
##  Min.   : 4.0    Min.   :  2.00
##  1st Qu.:12.0    1st Qu.: 26.00
##  Median :15.0    Median : 36.00
##  Mean   :15.4    Mean   : 42.98
##  3rd Qu.:19.0    3rd Qu.: 56.00
##  Max.   :25.0    Max.   :120.00
```

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.



Insert Tables

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

Table 1: 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 Images

Here is an image inserted

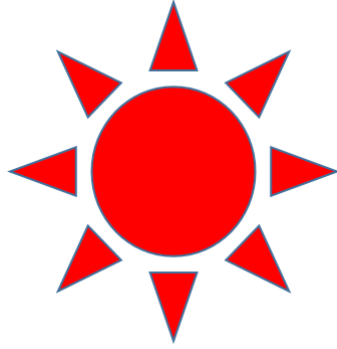


Figure 1: sunstar

Insert an Animated GIF and video

Insert text with some footnotes

Here is a footnote reference ¹ and another ²

Here is an inline footnote ³

¹Here is the footnote

²Here's one with multiple blocks.

³Inline notes are easier to write, since you don't have to pick an identified and move down to type the note