

Module 2 - R Markdown Document 1

Chun Hsien Wu, PhD.

2020 1 27

This is a level 1 header

R Markdown

This is a level three 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 `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

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))
```

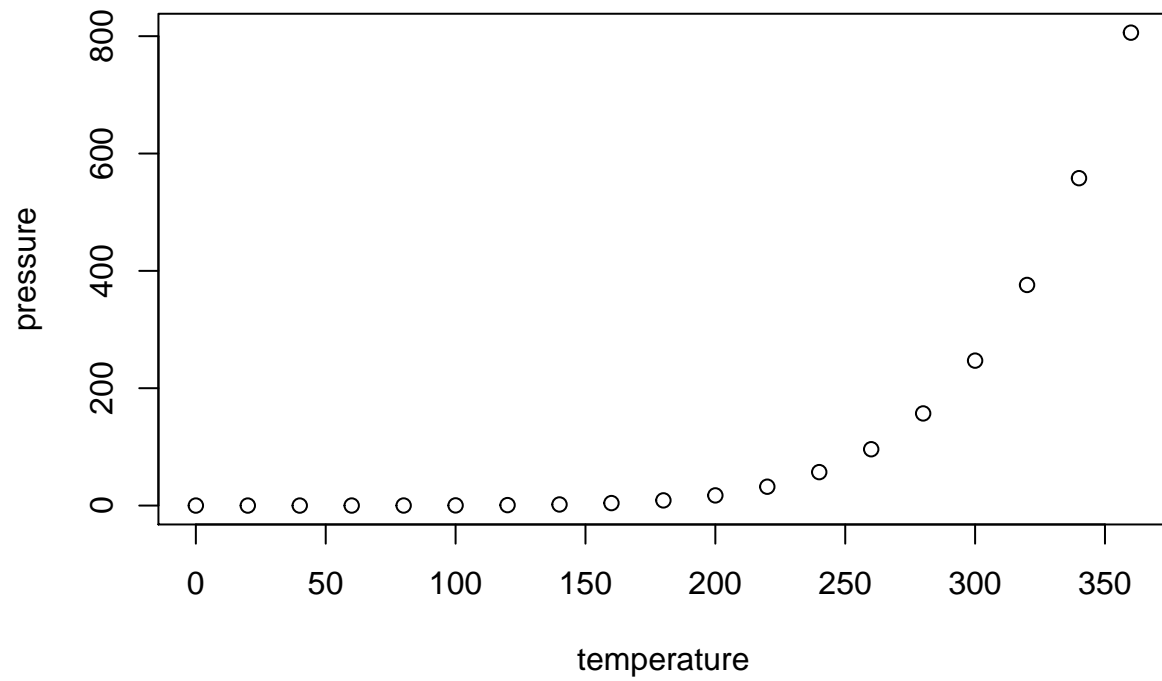
When you click the **Knit** button a document will be generated that includes both content as well as the output of any embedded R code chunks within the document. You can embed an R code chunk like this:

```
summary(cars)
```

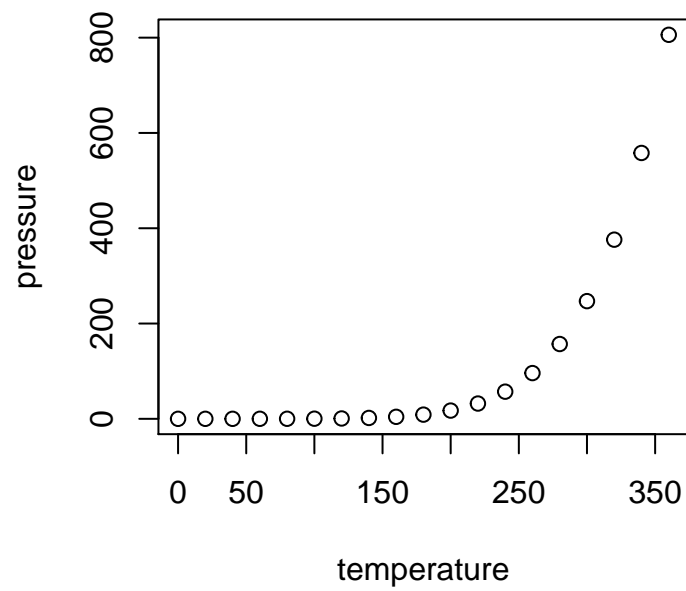
```
##      speed      dist
##  Min.   : 4.0    Min.   :  2.00
## 1st Qu.:12.0    1st Qu.: 26.00
## Median :15.0    Median : 36.00
## Mean   :15.4    Mean   : 42.98
## 3rd Qu.:19.0    3rd Qu.: 56.00
## Max.   :25.0    Max.   :120.00
```

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.



Insert Tables

```
knitr::kable(head(cars))
```

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

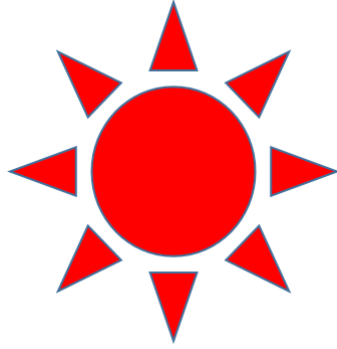


Figure 1: sunstar

Insert test with footnotes

Here is 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 identifier and move down to type the note.