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>.

This is a link to [Google.](http://google.com)

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

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

Here is an example of a numbered list:

1. Breakfast
   1. food
      1. eggs
      2. toast
      3. bacon
   2. drink
      1. apple juice
2. Lunch
   1. taco

Here is an example of 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 within a block quote.

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)

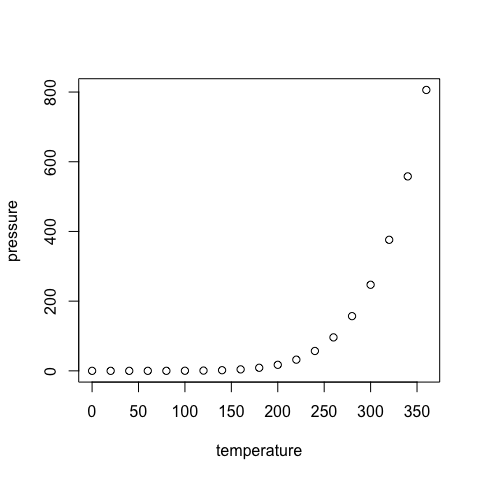
## speed dist   
## Min. : 4.0 Min. : 2.00   
## 1st Qu.:12.0 1st Qu.: 26.00   
## Median :15.0 Median : 36.00   
## Mean :15.4 Mean : 42.98   
## 3rd Qu.:19.0 3rd Qu.: 56.00   
## Max. :25.0 Max. :120.00

## 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")

Top 6 Rows of Cars Dataset

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

## Insert an Equation

## Insert an Image



sunstar

## Insert an Animated Gif and Video

![sunstar](data:video/mp4;base64,)

sunstar



sunstar

## Insert Text with Some Footnotes

Here is a footnote reference [[1]](#footnote-44) and another [[2]](#footnote-45)

Here is an inline footnote [[3]](#footnote-46)

1. Here is the footnote. [↑](#footnote-ref-44)
2. Here is one with multiple blocks. [↑](#footnote-ref-45)
3. Inline notes are easier to write, since you don’t have to pick an indentifier and move down to type the note. [↑](#footnote-ref-46)