Module2 - R Markdown Document 1

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# This is a level 1 header

## R Markdown

### This is a level 3 header

Here is a link to [Google](https://google.com)

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

Here us 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
   1. food
      1. eggs
      2. toast
      3. bacon
   2. drink
      1. apple juice
2. Lunch
   1. taco
3. Dinner
   1. baked chicken
   2. broccoli
   3. rice Here is an example of a 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 a 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))

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.



## 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 images

Here is an image inserted



sunstar

## INsert an Animated GIF and video



sunstar

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

sunstar

## Insert test with some footnotes

Herre is footnote refenrence [[1]](#footnote-36) and another [[2]](#footnote-37)

Here is an inline footnote [[3]](#footnote-38)

1. Here is the footnote. [↑](#footnote-ref-36)
2. Here’s one with multiple blocks. [↑](#footnote-ref-37)
3. Inlines notes are easier to write, since you don’t have to pick an identifier and move down to type the note. [↑](#footnote-ref-38)