Module 2 - R Markdown Document 1

Jean-Philippe Maillard

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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](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 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:

* Breadkfast
  + 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
   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 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")

Top 6 rows of Cars Dataset

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

## Insert an equation

## Insert Images

Here is an image inserted



sunstar

## Insert an Animated GIF and video



sunstar

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

sunstar

## Insert text with some footnotes

Here is a footnote reference [[1]](#footnote-34) and another [[2]](#footnote-35)

Here is an inline footnote [[3]](#footnote-36)

1. Here is the footnote [↑](#footnote-ref-34)
2. Here’s one with multiple blocks. [↑](#footnote-ref-35)
3. Inline notes are easier to write, since you don’t have to pick an identified and move down to type the note [↑](#footnote-ref-36)