

# Module 2 - Rmarkdown 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 `rmarkdown` package.

Here are some example R commands:

```
2+2
```

```
mean(seq(1,5))
```

Here is an example of non-numbered list:

- Breakfast
  - food
    - \* eggs
    - \* toast
    - \* bacon
  - drink
    - \* apple juice
- Lunch
  - taco
- Dinner
  - backed chicken
  - broccoli
  - rice

Here is an 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. backed 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 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 (5 spaces after > symbol):

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

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.