

R Markdown Example

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1 Feburary 2022

R Markdown

Subheadline

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
```

Why R Markdown?

The advantage of R Markdown is that it easily combines text, R code and R output - in the exact same way you would be seeing it in the RStudio console.

We use R Markdown to produce the html files we work with in class. The great thing about Markdown is that you can produce a pdf file, html file or even slides. You can easily specify the output document type using the `output` option in the header.

For example, you can plot code and output

```
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
```

Or, alternatively, you might just want to plot the code but hide the output if it doesn't add anything to your response.

```
library(stargazer)
```

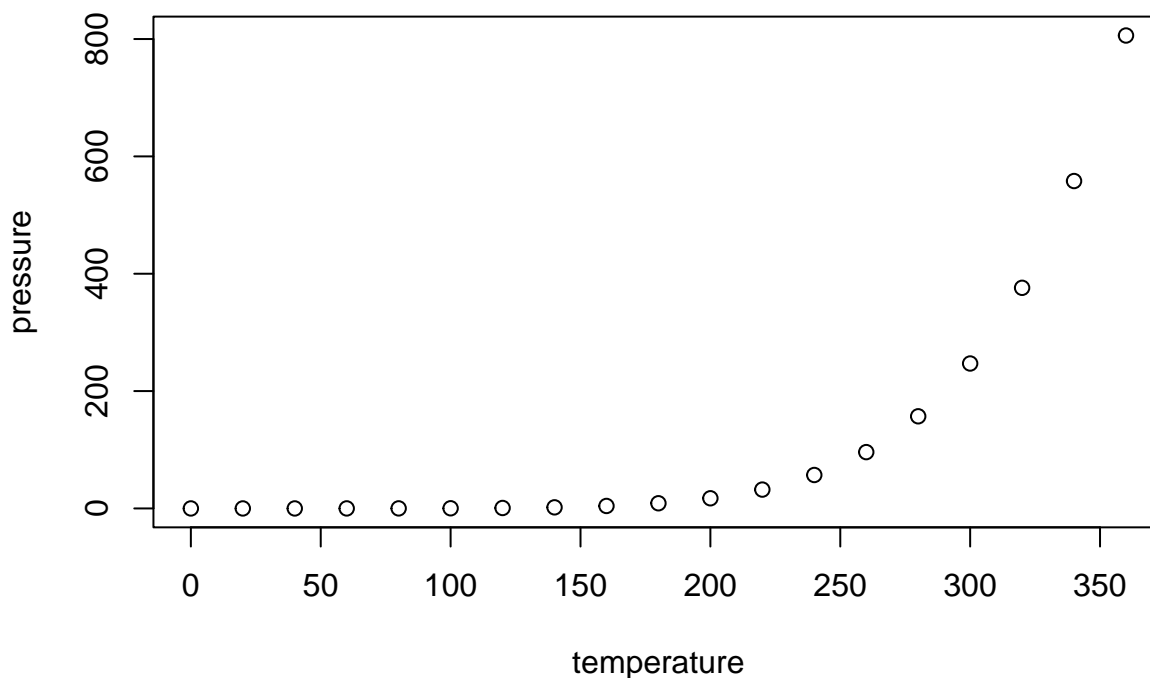
In a similar way, you can hide the code and only show results:

```
##      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
```

Finally, you can also hide results using the `results='hide'` option.

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.

Important: The chunk just below the header (which will disappear in your output file) allows you to specify global options. That means that you can specify options that will be applied to *all* chunks of code in your document. This comes in handy when you want to turn off warning messages or comments. You could, for instance, specify the following options:

```
knitr::opts_chunk$set(      echo = TRUE,      message = FALSE,      warning = FALSE,      comment  
= NA )
```

R Markdown Reference Guide and Tutorial

You can find more commands [in this R Markdown reference guide](#).

Moreover, there's a great tutorial available on [RStudio.Cloud](#)