R Markdown Demo

STA237

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```
##     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
```

Inline Code

The inline code 3.1416 renders 3.1416.

R Markdown

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.

Other Markdown Samples
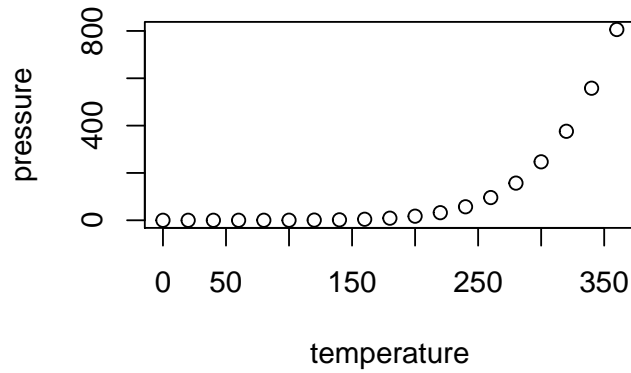
Heading 2

Heading 3

Heading 4

Figure 1: Figure Caption

Paragraphs

This sentence renders in a single line.

This is a new paragraph.\ This is a new line.

Lists

Unordered

- This is
- an unordered
- list rendered
- with bullet points

Ordered

1. This is an item
2. in a numbered list.
3. Numbers are
4. automatically assigned.

Math Experssions

This α^1 renders inline.

$$\beta_2$$

rendres in a separate paragraph.

Table 1: Caption for table

Labels	Numbers	Decimals
Label 1	1000	1.00
Label 2	200	3.14
Label 3	-35	2.72

Table

Use `kable` to create well-formatted tables with captions.

```r
library(knitr)
# if you have already loaded the  library
# in a previous chunk, there is no need
# to load it again here.
tbl <- data.frame(
  Labels = c('Label 1', 'Label 2', 'Label 3'),
  Numbers = c(1000,200,-35),
  Decimals = c(1.0005, pi, exp(1))
)
kable(tbl,
      format='latex', # tell kable the table is
                      # for a PDF document
      # you need to include "\usepackage{booktabs}"
      # in the YAML under "header-includes"
      booktabs=TRUE, # better looking table
      caption='Caption for table', # caption
      digits=2) # number of digits
```