Workshop Examples

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Contents

R Markdown

`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:

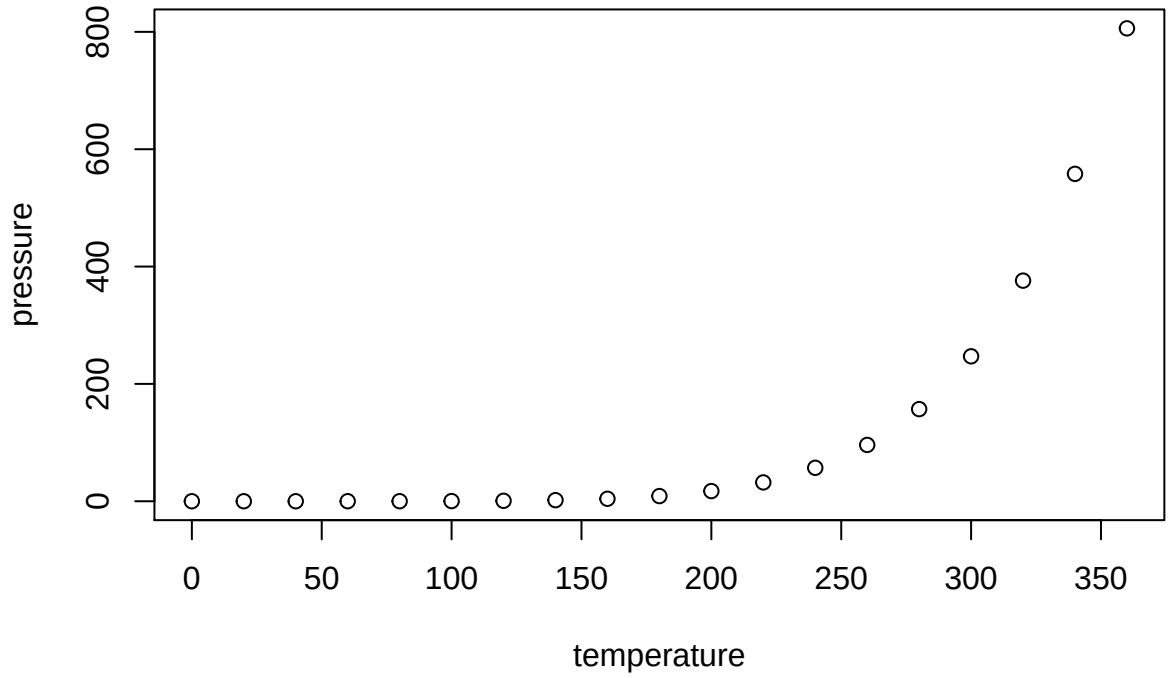
```
summary(cars)
```

```
##      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
```

Figure from R code chunk

`figure-from-r-code-chunk`

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.

Figure from a file

`figure-from-a-file`

Figure 1: Here's my caption `fig:fig_example`

Table

`table`

```
#, results='asis', echo=FALSE, include=FALSE, message=FALSE, warning=FALSE
Tab = read.csv('Table_example.csv')

Tab_example = xtable(Tab,
                     caption=c('This is where you write your caption'),
                     label = 'tab:Table_example')
```

```r
print(Tab_example, include.rownames = FALSE, caption.placement = 'top')
```

```
## \begin{table}[ht]
## \centering
## \caption{This is where you write your caption}
## \label{tab:Table_example}
## \begin{tabular}{rrrrrrrrrrr}
##   \hline
## Sample & Test1 & Test2 & Test3 & Test4 & Test5 & Test6 & Test7 & Test8 & Test9 & Test10 \\
##   \hline
##   1 & 333000000000.00 & 97.00 &  45 & 7169 & 5656 & 2642 & 8534 & 9173.00 & 230 & 2733 \\
##     3 & 345.00 & 976.00 &   6 & 105 & 6382 & 2277 & 5848 & 7339495403.00 & 8613 & 5025 \\
##     5 & 34.00 & 3333333333.00 &   7 & 2395 & 5632 & 5542 & 1645 & 380.00 & 1263 & 6728 \\
##     7 & 234.00 & 34.00 &  46 & 5619 & 6063 & 8973 & 9362 & 1870.00 & 7651 & 683 \\
##     9 & 234.00 & 0.00 &  45 & 6531 & 6824 & 3609 & 7627 & 3363.00 & 1534 & 8333 \\
##    \hline
## \end{tabular}
## \end{table}
```

We can now reference Table **??**.

Math mode

`math-mode`

You can use LaTeX math mode both inline and for inserting equations. It's handy for using inline math mode for management measure and lat/long.

Inline looks like this: $SPR_{40\%}$
Note the % sign has a when used in math mode, but not in R markdown text.

To get degrees and minutes type: $40°10'$ $