R Markdown Workshop

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Contents

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:
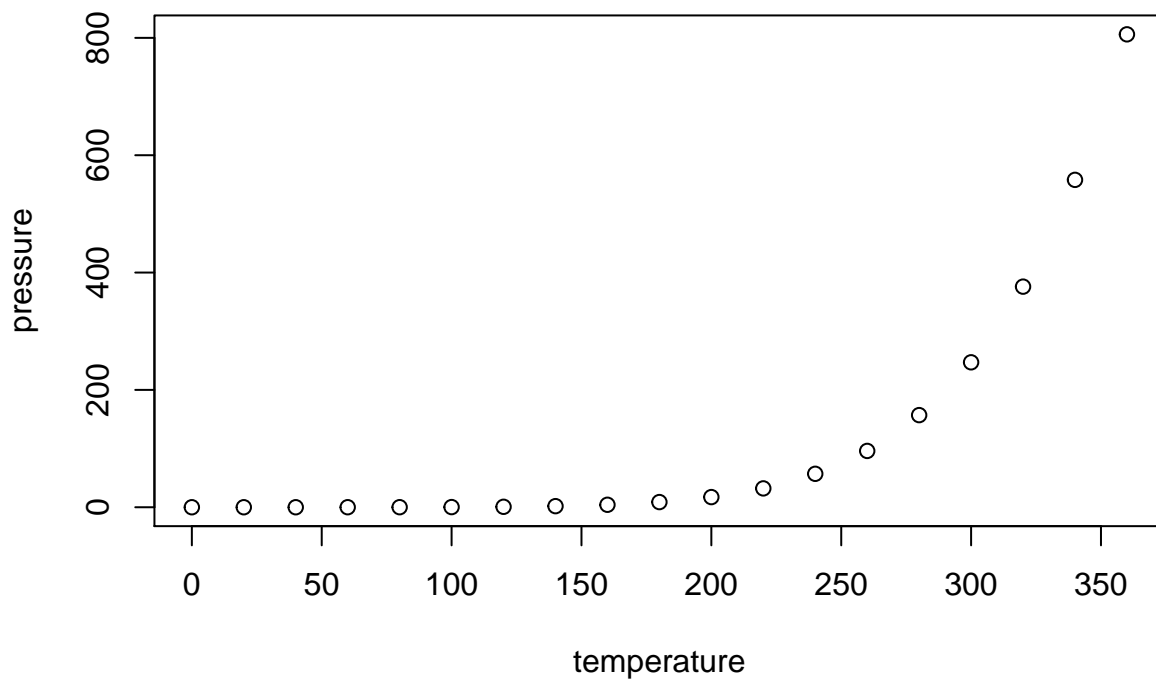
Note that the `echo = FALSE` parameter was added to the code chunk to prevent printing of the R code that generated the plot.

Removing pound signs from code output via setup chunk

Include comment = NA in the setup chunk to get rid of these.

Add table of contents

With toc: TRUE in YAML header.

##Change the document margins via geometry: setting in the YAML header, setting the margins overall or just some of the margins

Make URL links visible

change the url color using the urlcolor: option in the YAML header
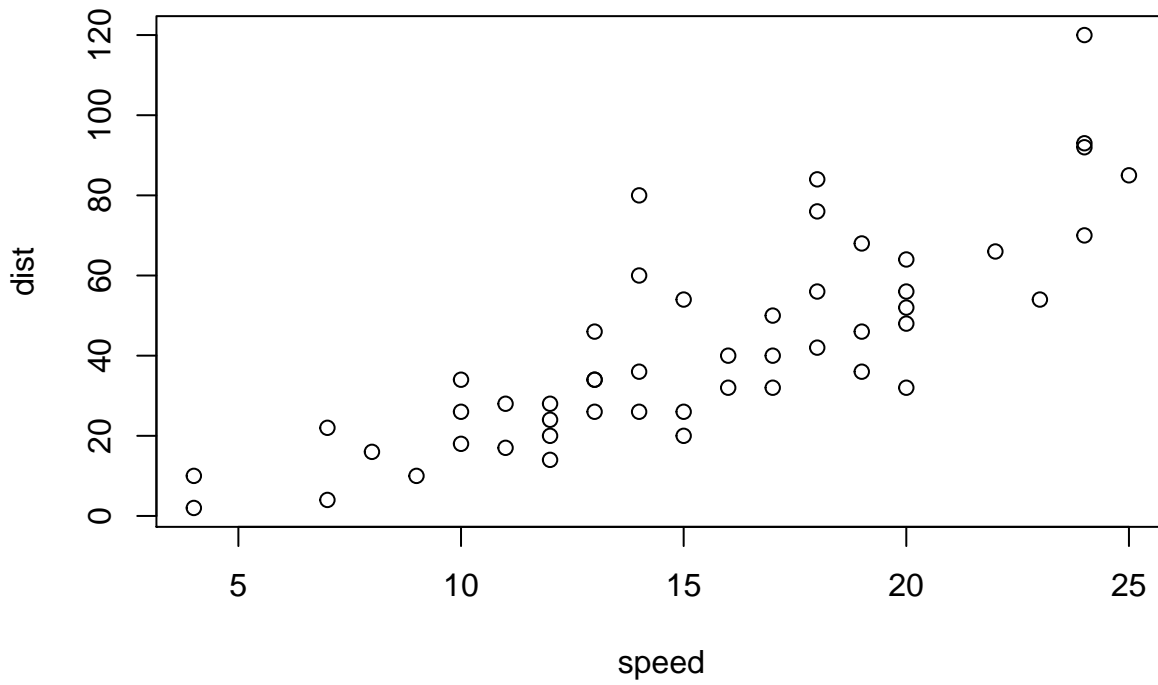
Using eval and echo

```r
library(dplyr)
```

```r
mtcars %>%
group_by(cyl) %>%
summarise(mdisp = mean(disp) )
```
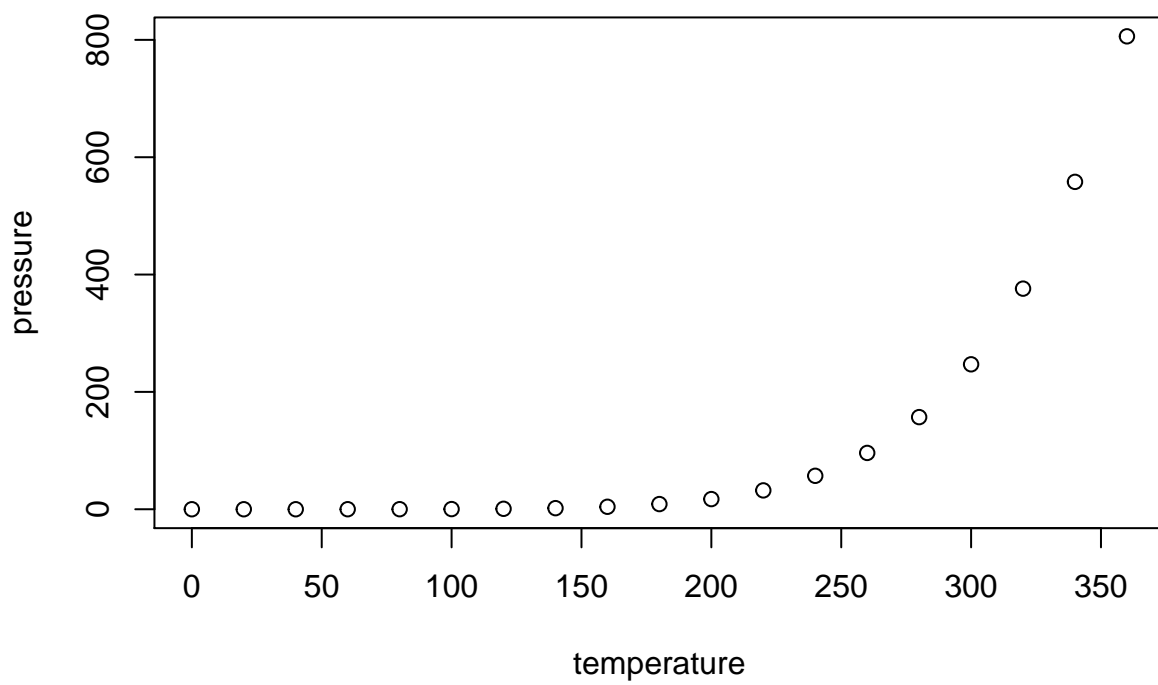
cyl	mdisp
4	105.1364
6	183.3143
8	353.1000

Holding figures to end of chunk with fig.show

```r
plot(cars)
```



```r
plot(pressure)
```

```r
plot(cars)
plot(pressure)
```
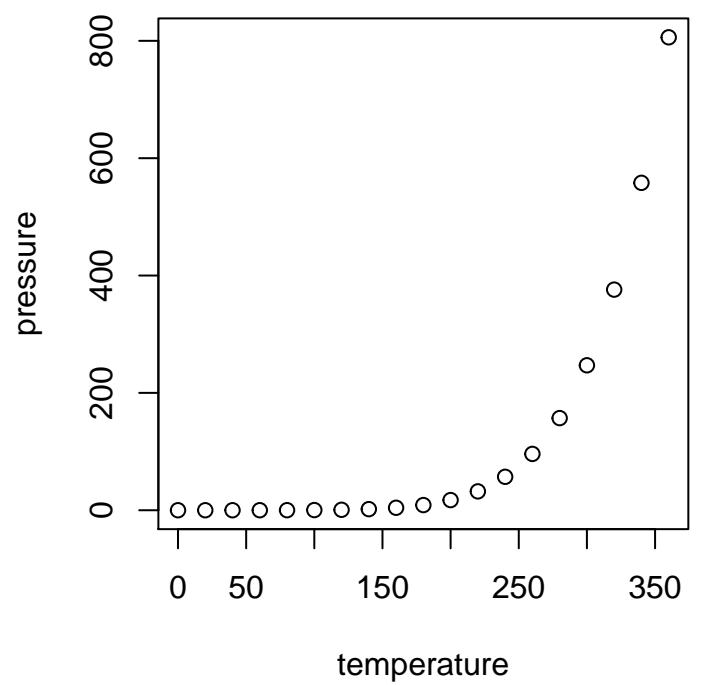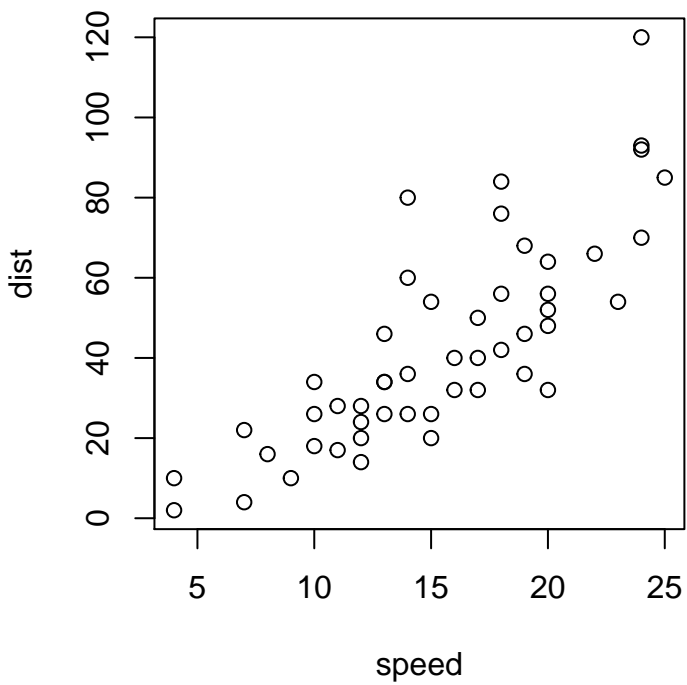
Informational links

Package tinytex

https://yihui.name/tinytex/

RStudio cheatsheet

https://www.rstudio.com/wp-content/uploads/2015/02/rmarkdown-cheatsheet.pdf

Markdown basics

http://rmarkdown.rstudio.com/authoring_basics.html

LaTeX mathematical symbols

https://oeis.org/wiki/List_of_LaTeX_mathematical_symbols

Formatting HTML documents

http://rmarkdown.rstudio.com/html_document_format.html#overview

—- End of Document