RMarkdown Exercise

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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:
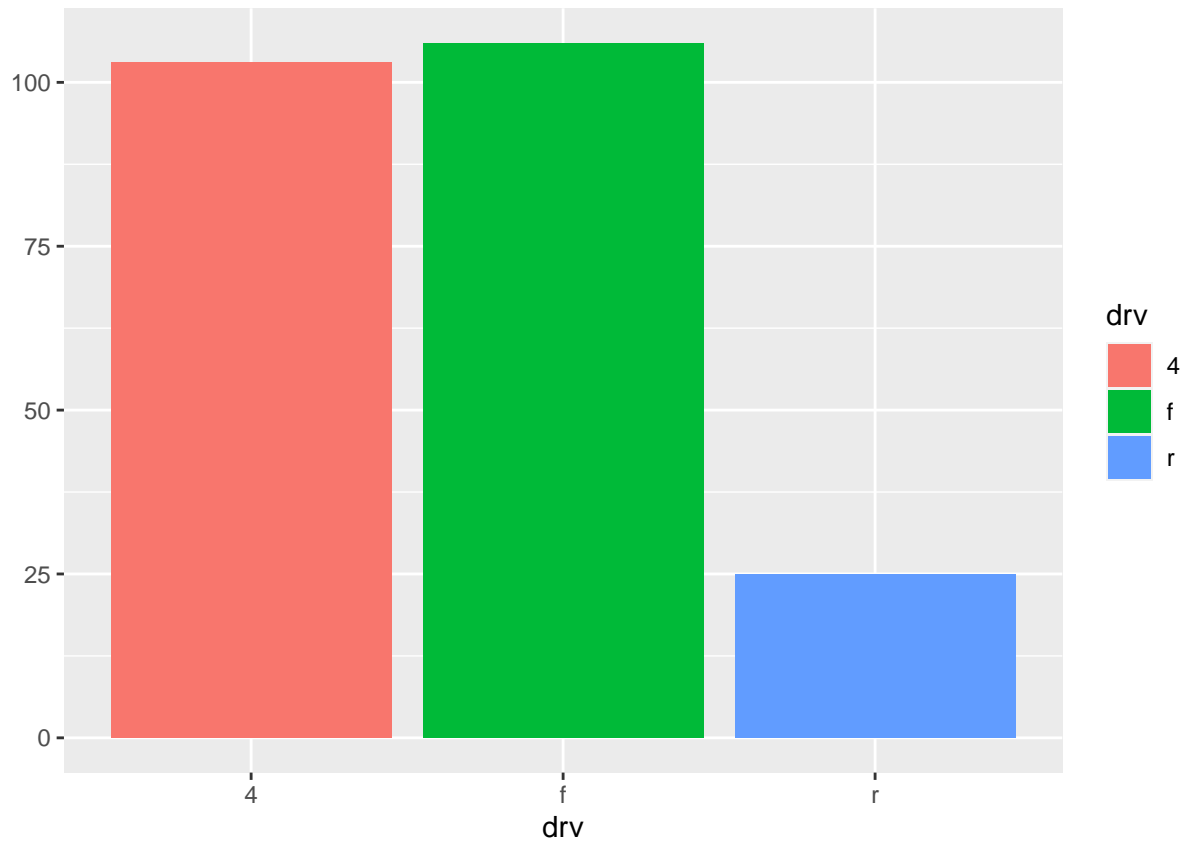
```r
summary(cars)
```

```
##      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:

```r
library(ggplot2)
qplot(data = mpg, x = drv, fill = drv)
```

italic

bold

~~strikethrough~~

bold

EKU CS Department

first-level header

second-level header

third-level header

- one item
- one item
- one item
    - one more item
    - one more item
    - one more item

1. the first item
2. the second item
3. the third item
    - one unordered item
    - one unordered item

Table 2: A Tale of Two Tables.

Sepal.Length	Sepal.Width		mpg	cyl	disp
5.1	3.5	Mazda RX4	21.0	6	160
4.9	3.0	Mazda RX4 Wag	21.0	6	160
4.7	3.2	Datsun 710	22.8	4	108
		Hornet 4 Drive	21.4	6	258
		Hornet Sportabout	18.7	8	360

"I thoroughly disapprove of duels. If a man should challenge me, I would take him kindly and forgivingly by the hand and lead him to a quiet place and kill him."

— Mark Twain

```
This text is displayed verbatim / preformatted
```

```
This text is displayed verbatim / preformatted
```
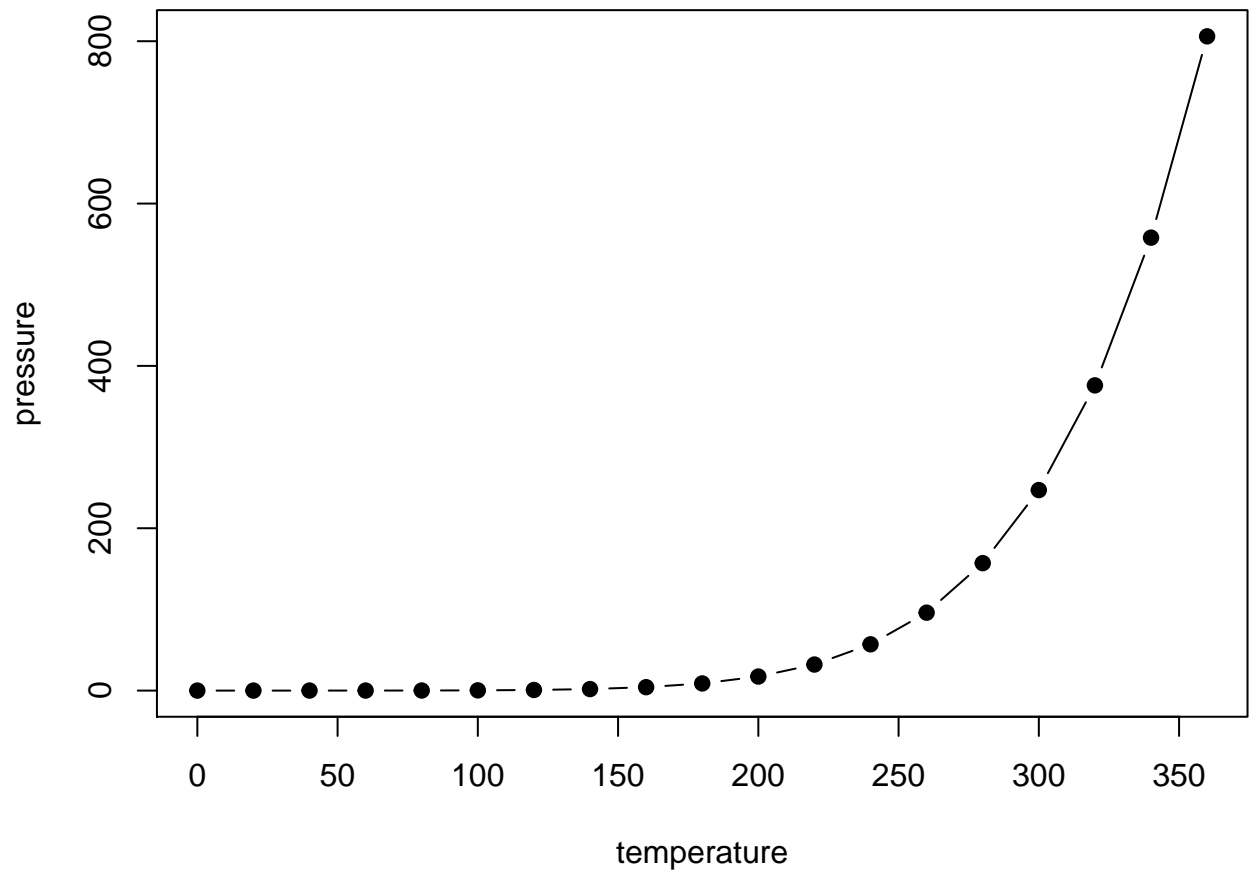
```r
knitr::kable(head(mtcars[, 1:8], 10), booktabs = TRUE, caption = 'A table of the first 10 rows of the m
```

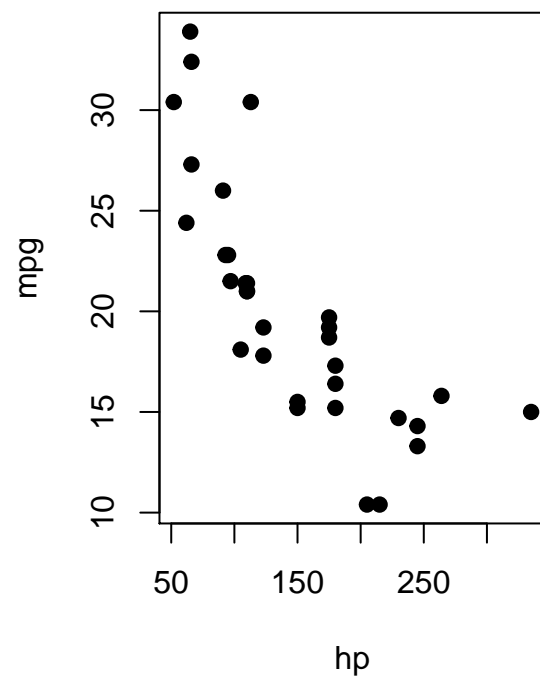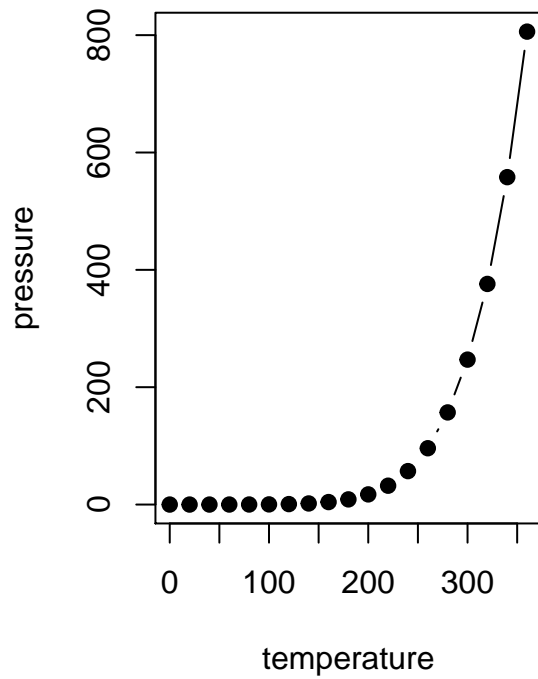Table 1: A table of the first 10 rows of the mtcars data.

	mpg	cyl	disp	hp	drat	wt	qsec	vs
Mazda RX4	21.0	6	160.0	110	3.90	2.620	16.46	0
Mazda RX4 Wag	21.0	6	160.0	110	3.90	2.875	17.02	0
Datsun 710	22.8	4	108.0	93	3.85	2.320	18.61	1
Hornet 4 Drive	21.4	6	258.0	110	3.08	3.215	19.44	1
Hornet Sportabout	18.7	8	360.0	175	3.15	3.440	17.02	0
Valiant	18.1	6	225.0	105	2.76	3.460	20.22	1
Duster 360	14.3	8	360.0	245	3.21	3.570	15.84	0
Merc 240D	24.4	4	146.7	62	3.69	3.190	20.00	1
Merc 230	22.8	4	140.8	95	3.92	3.150	22.90	1
Merc 280	19.2	6	167.6	123	3.92	3.440	18.30	1

```r
knitr::kable(list(head(iris[,1:2], 3), head(mtcars[,1:3],5)), caption = 'A Tale of Two Tables.', booktab
```

```r
par(mar=c(4,4,0.1,0.1))
plot(pressure, pch = 19, type = "b")
```

```
par(mfrow=c(1,2))
plot(pressure, pch = 19, type = "b")
plot(mpg ~ hp, data = mtcars, pch = 19)
```

```
out.width = "50%"
knitr::include_graphics(rep("/home/thomas/Desktop/knit-logo.png", 2))
```