

# HW 1

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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:

1. This is a list
  2. also this
  3. number
- bullets
  - list
  - items
    - apple
    - orange
    - banana

This is some math:  $y = mx + \epsilon$ .

$$Y = X^T \beta + \epsilon$$

latex + format

```
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
```

Table 1: This is my table.

num	let
1	a
2	b
3	a
4	b
5	c

The mean of my data is 3.

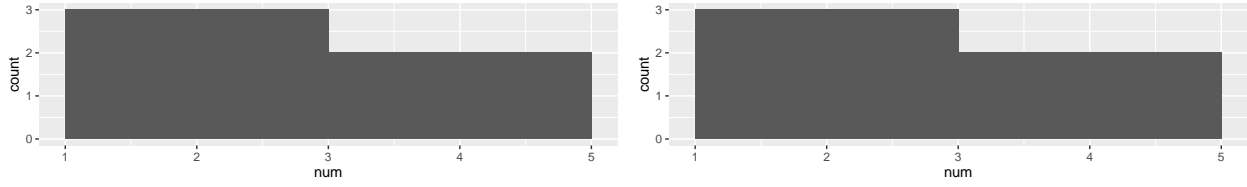
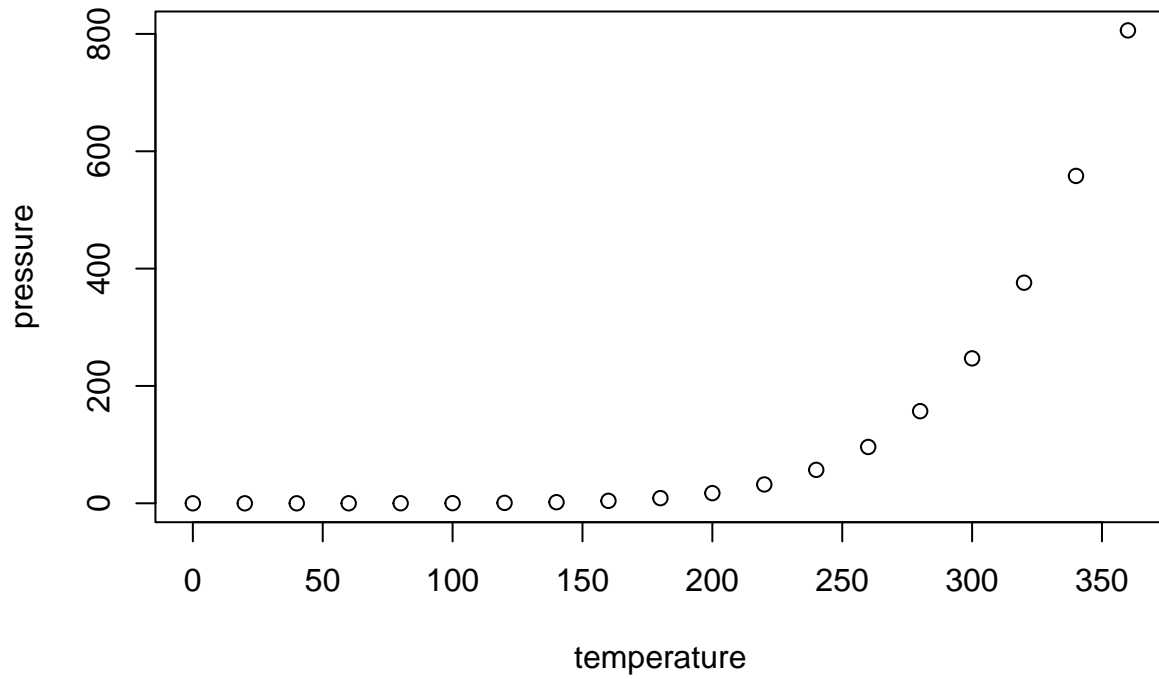


Figure 1: This is a histogram.

## 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.