Homework 3

Ryan Cheng

2023-09-11

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
(sqrt(25) - 3) * 2
```

```
## [1] 4
```

```r
letters.in.first.name = 4
letters.in.last.name = 5

average.letters.in.name = (letters.in.first.name + letters.in.last.name) / 2
average.letters.in.name
```

```
## [1] 4.5
```

```r
names.length.1 = c(4, 5)
names.length.2 = c(letters.in.first.name, letters.in.last.name)

names = c("Ryan", "Cheng")
names
```

```
## [1] "Ryan"  "Cheng"
```

```r
seq(from = 7, to = 87, by = 2)
```

```
##  [1]  7  9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39 41 43 45 47 49 51 53 55
## [26] 57 59 61 63 65 67 69 71 73 75 77 79 81 83 85 87
```

```r
my.answers = c(0, 1, 17, 6)

sort(my.answers, decreasing = TRUE)
```
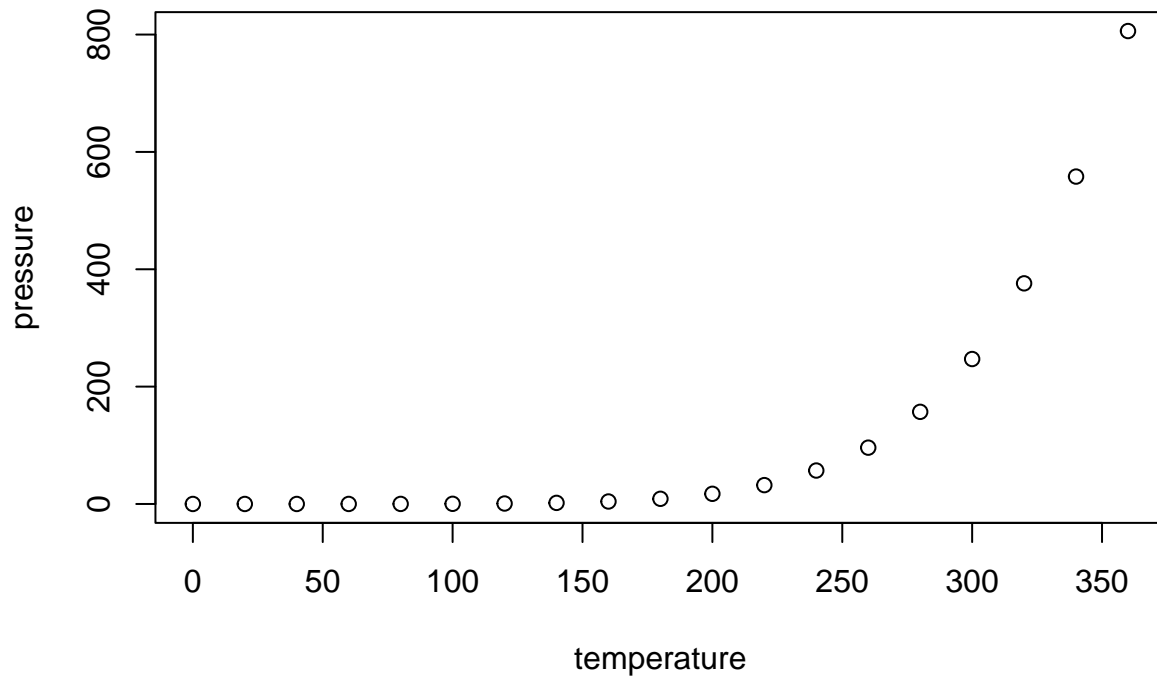
```
## [1] 17  6  1  0
```

```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:

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