RMarkdown basics

Padma Tanikella

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Contents

Main heading

R Markdown

Another sub-heading

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.

- This will **bold font**.

- This will give *italics font*

- Some bullet point

    - sub-bullet point
    - another sub-bullet

1. first point
2. second point. . .
3. third point with some bullet points

    - aaaa
    - bbbbb

Echo value

Default value: `echo = TRUE`.

```r
# comments
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
```
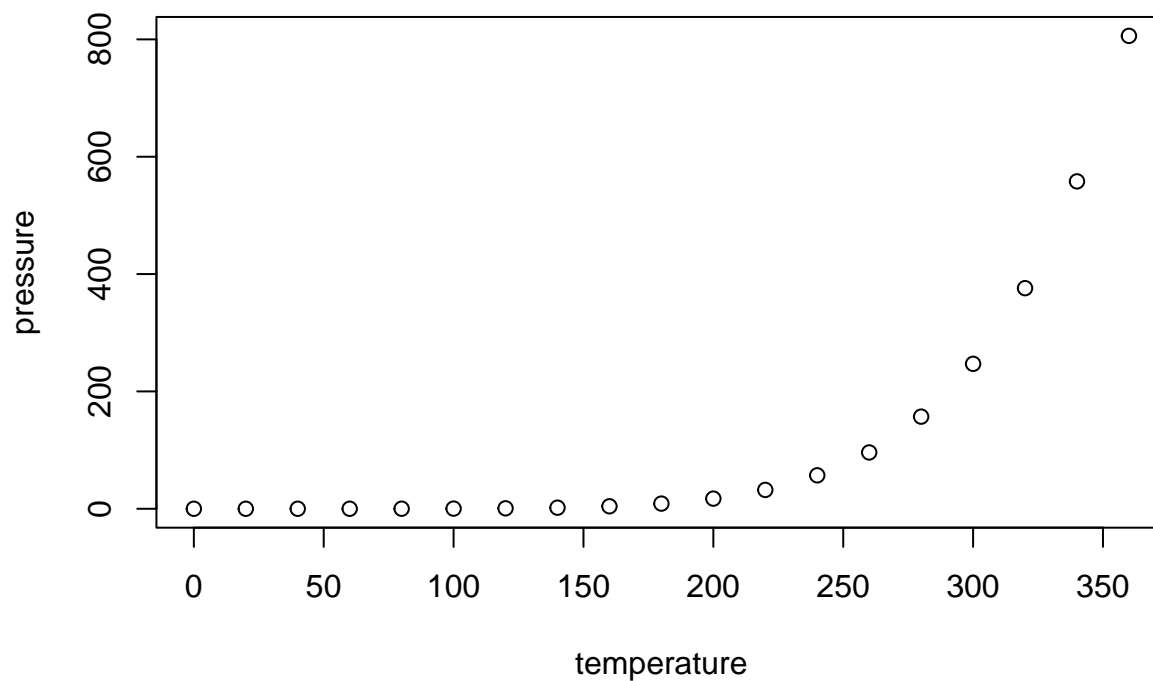
```
##      speed           dist
##  Min.   : 4.0   Min.   :  2.00
##  1st Qu.:12.0   1st Qu.: 26.00
##  Median :15.0   Median : 36.00
##  Mean   :15.4   Mean   : 42.98
##  3rd Qu.:19.0   3rd Qu.: 56.00
##  Max.   :25.0   Max.   :120.00
```

include option

```r
# comments
str(cars)
```

```
## 'data.frame':    50 obs. of  2 variables:
##  $ speed: num  4 4 7 7 8 9 10 10 10 11 ...
##  $ dist : num  2 10 4 22 16 10 18 26 34 17 ...
```

Including Plots

Including Maths equations

I want to factorize the quadratic equation $ax^2 + bx + c$. Its solution is given by:

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a} \quad \text{is the solution}$$

- a_1 is a subscript 1. This subscript only works in math mode.

- a_{min} and a^{max}

- **A** is a matrix and v is a vector.

Tables in RMarkdown

Class No.	Instructor experience	Class average
1	low	77
2	low	69
3	high	85
4	med	75

Class No.	Instructor experience	Class average
5	high	70
6	med	85

- Roses are RED, violets are BLUE.