Worksheet #2

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2022-10-07

R Markdown

```
s <- -5:5
s
```

```
##  [1] -5 -4 -3 -2 -1  0  1  2  3  4  5
```

```
x <- 1:7
x
```

```
## [1] 1 2 3 4 5 6 7
```

```
seq(1, 3, by = 0.2)
```

```
##  [1] 1.0 1.2 1.4 1.6 1.8 2.0 2.2 2.4 2.6 2.8 3.0
```

```
workers <- c(34, 28, 22, 36, 27, 18, 52, 39, 42, 29, 35, 31, 27,
             22, 37, 34, 19, 20, 57, 49, 50, 37, 46, 25, 17, 37, 43, 53, 41, 51, 35,
             24,33, 41, 53, 40, 18, 44, 38, 41, 48, 27, 39, 19, 30, 61, 54, 58, 26,
             18)

workers[3]
```

```
## [1] 22
```

```
workers[2]
```

```
## [1] 28
```

```
workers[4]
```

```
## [1] 36
```

```
workers[2:49]
```

```
##  [1] 28 22 36 27 18 52 39 42 29 35 31 27 22 37 34 19 20 57 49 50 37 46 25 17 37
## [26] 43 53 41 51 35 24 33 41 53 40 18 44 38 41 48 27 39 19 30 61 54 58 26
```

```r
x <- c("first"=3, "second"=3, "third"=9)
names(x)
```

```
## [1] "first"  "second" "third"
```

```r
x <- 3:2
x
```

```
## [1] 3 2
```

```r
month <- c("Jan", "Feb", "Mar", "Apr", "May", "June")
price_per_liter <- c(52.50, 57.25, 60.00, 65.00, 74.25, 54.00)
purchase_quantity <- c(25, 30, 40, 50, 10, 45)

frame <- data.frame(month, price_per_liter, purchase_quantity)
frame
```

```
##   month price_per_liter purchase_quantity
## 1   Jan           52.50                25
## 2   Feb           57.25                30
## 3   Mar           60.00                40
## 4   Apr           65.00                50
## 5   May           74.25                10
## 6  June           54.00                45
```

```r
weighted.mean(price_per_liter, purchase_quantity)
```

```
## [1] 59.2625
```

```r
data <- c(length(rivers), sum(rivers), mean(rivers), median(rivers), var(rivers),
          sd(rivers), min(rivers), max(rivers))
data
```

```
## [1]    141.0000  83357.0000    591.1844    425.0000 243908.4086    493.8708
## [7]    135.0000   3710.0000
```

```r
power_ranking <- c(1:25)
celebrity_name <- c("Tom Cruise", "Rolling Stones", "Oprah Winfrey", "U2", "Tiger Woods", "Steven Spiell
                    "Howard Stern", "50 Cent", "Cast  of the sopranos", "Dan Brown", "Bruce Springsteen
                    "Donal Trump", "Muhammad Ali", "Paul McCartney", "George Lucas", "Elton John",
                    "David Letterman", "Phil Mickelson", "J.K Rowling", "Bradd Pitt", "Peter Jackson",
                    "Dr. Phil McGrow", "J Lenon", "Celine Dion",
                    "Kobe Bryant")
pay <- c(67, 90, 225, 110, 90, 332, 302, 41, 52, 88, 55, 44, 55, 40, 233, 34, 40, 47, 75, 25, 39, 45, 3

data_ranking <- data.frame(power_ranking, celebrity_name, pay)
data_ranking
```

```
##    power_ranking        celebrity_name pay
## 1              1            Tom Cruise  67
```

```
## 2              2        Rolling Stones  90
## 3              3         Oprah Winfrey 225
## 4              4                    U2 110
## 5              5           Tiger Woods  90
## 6              6      Steven Spielberg 332
## 7              7          Howard Stern 302
## 8              8               50 Cent  41
## 9              9 Cast  of the sopranos  52
## 10            10             Dan Brown  88
## 11            11     Bruce Springsteen  55
## 12            12           Donal Trump  44
## 13            13          Muhammad Ali  55
## 14            14        Paul McCartney  40
## 15            15          George Lucas 233
## 16            16            Elton John  34
## 17            17       David Letterman  40
## 18            18        Phil Mickelson  47
## 19            19           J.K Rowling  75
## 20            20            Bradd Pitt  25
## 21            21         Peter Jackson  39
## 22            22       Dr. Phil McGrow  45
## 23            23               J Lenon  32
## 24            24           Celine Dion  40
## 25            25           Kobe Bryant  31
```

```
power_ranking [19] <- 15
power_ranking
```

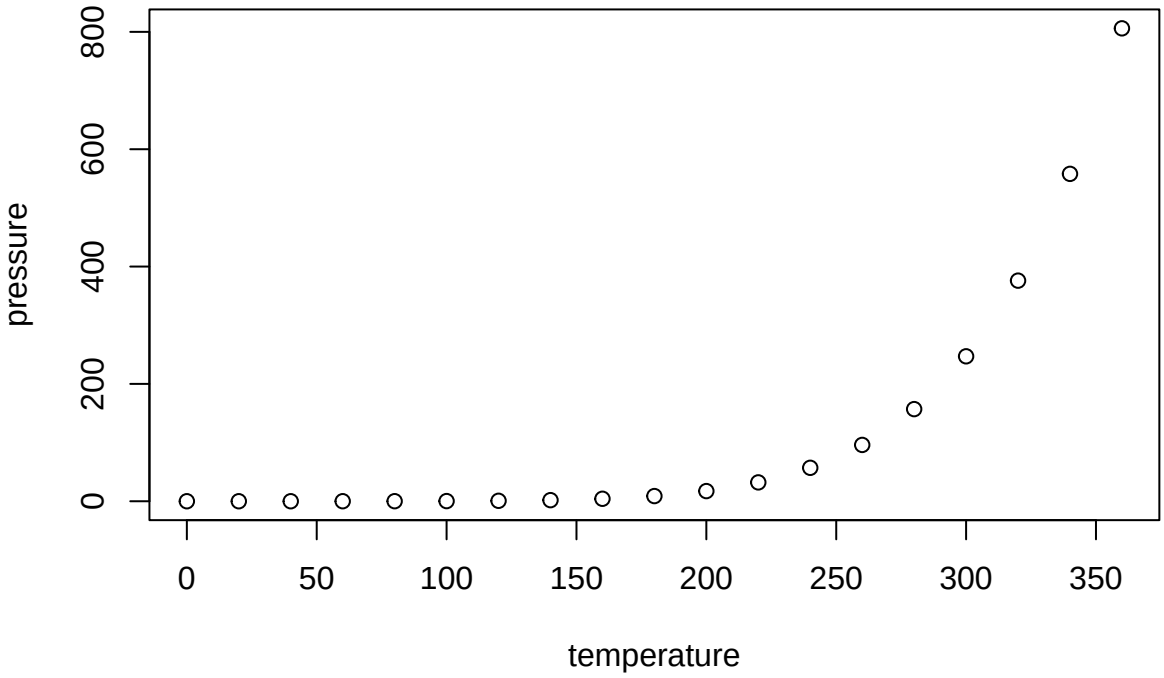
```
##  [1]  1  2  3  4  5  6  7  8  9 10 11 12 13 14 15 16 17 18 15 20 21 22 23 24 25
```

```
pay [19] <- 90
pay
```

```
##  [1]  67  90 225 110  90 332 302  41  52  88  55  44  55  40 233  34  40  47  90
## [20]  25  39  45  32  40  31
```

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.