RWorksheet_rocillo#1

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1. How many data points? +34 data points

```
 age <- 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
```

2. Find the reciprocal of the values for age.

```
reciprocal_age <- 1 / age
library("MASS")
fractions(reciprocal_age)
```

```
##  [1] 1/34 1/28 1/22 1/36 1/27 1/18 1/52 1/39 1/42 1/29 1/35 1/31 1/27 1/22 1/37
## [16] 1/34 1/19 1/20 1/57 1/49 1/50 1/37 1/46 1/25 1/17 1/37 1/42 1/53 1/41 1/51
## [31] 1/35 1/24 1/33 1/41
```

3. Assign also new_age <- c(age, 0, age). What happen to the new_age?

```
new_age <- c(age, 0, age)
new_age
```

```
##  [1] 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
## [26] 37 42 53 41 51 35 24 33 41  0 34 28 22 36 27 18 52 39 42 29 35 31 27 22 37
## [51] 34 19 20 57 49 50 37 46 25 17 37 42 53 41 51 35 24 33 41
```

4. Sort the values for age.

```
sorted_age <- c(sort(age))
sorted_age
```

```
##  [1] 17 18 19 20 22 22 24 25 27 27 28 29 31 33 34 34 35 35 36 37 37 37 39 41 41
## [26] 42 42 46 49 50 51 52 53 57
```

5.Find the minimum and maximum value for age.

```
min_age <- c(min(age))
max_age <- c(max(age))

print(min_age)
```

```
## [1] 17
```

```
print(max_age)
```

```
## [1] 57
```

6. How many data points

```
  data <- c(2.4, 2.8, 2.1, 2.5, 2.4, 2.2, 2.5, 2.3, 2.5, 2.3, 2.7)
points <- length(data)
print(points)
```

```
## [1] 11
```

7. Generate a new vector for data where you double every value of the data. What happen to the data? +The data were increased by two.

```
double_data <-data*2

print(double_data)
```

```
##  [1] 4.8 5.6 4.2 5.0 4.8 4.4 5.0 4.6 5.0 4.6 5.4
```

8. Generate a sequence for the following scenario:

8.1 Integers from 1 to 100.

```
sequence <- seq(1, 100)
print(sequence)
```

```
##   [1]   1   2   3   4   5   6   7   8   9  10  11  12  13  14  15  16  17  18
##  [19]  19  20  21  22  23  24  25  26  27  28  29  30  31  32  33  34  35  36
##  [37]  37  38  39  40  41  42  43  44  45  46  47  48  49  50  51  52  53  54
##  [55]  55  56  57  58  59  60  61  62  63  64  65  66  67  68  69  70  71  72
##  [73]  73  74  75  76  77  78  79  80  81  82  83  84  85  86  87  88  89  90
##  [91]  91  92  93  94  95  96  97  98  99 100
```

8.2