RWorksheet_Caneso#1

Rovel Jan Caneso

2024-09-04

```
  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, 1

length(age)
```

```
## [1] 34
```

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

```
##  [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
```

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

sort(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
```

```
min(age)
```

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

```
max(age)
```

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

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

```
## [1] 12
```

```r
doudata <- data * 2

s1 <- seq(1:100)
s2 <- seq(20:60)

s3 <- mean(s2)

s4 <- sum(51:91)

s5 <- seq(1:1000)

length(s1) + length(s2) + length(s3) + length(s4)
```

```
## [1] 143
```

```r
Filter(function(i) { all(i %% c(3,5,7) != 0) }, seq(100))
```

```
##  [1]  1  2  4  8 11 13 16 17 19 22 23 26 29 31 32 34 37 38 41 43 44 46 47 52 53
## [26] 58 59 61 62 64 67 68 71 73 74 76 79 82 83 86 88 89 92 94 97
```

```r
s5 <- seq(100,1)
s5
```

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

```r
vec <- c(24:1)

Filter(function(i) { all(i %% c(3) == 0) | all(i %% c(5) == 0) }, vec)
```

```
##  [1] 24 21 20 18 15 12 10  9  6  5  3
```