$RWorksheet_Arcenas\#4b$

Edora Frances Anne V Arcenas

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```
Vector_A \leftarrow c(1,2,3,4,5)
MatrixA <- matrix(0, nrow = 5, ncol = 5)</pre>
MatrixA[1,] <- Vector_A</pre>
print(MatrixA)
        [,1] [,2] [,3] [,4] [,5]
##
## [1,]
               2
          1
                     3
## [2,]
          0
              0
                     0
                          0
                               0
## [3,]
        0 0 0 0
                             0
        0 0 0 0 0 0 0 0 0
## [4,]
## [5,]
#2
RowsEme <- 5
for (i in 1:RowsEme) {
 for (j in 1:i) {
   cat("*")
 }
  cat("\n")
## *
## **
#3
input <- as.integer(readline(prompt = "Enter a number: "))</pre>
## Enter a number:
prev <- 0
curr <- 1
print(curr)
## [1] 1
repeat {
 next_num <- prev + curr</pre>
```

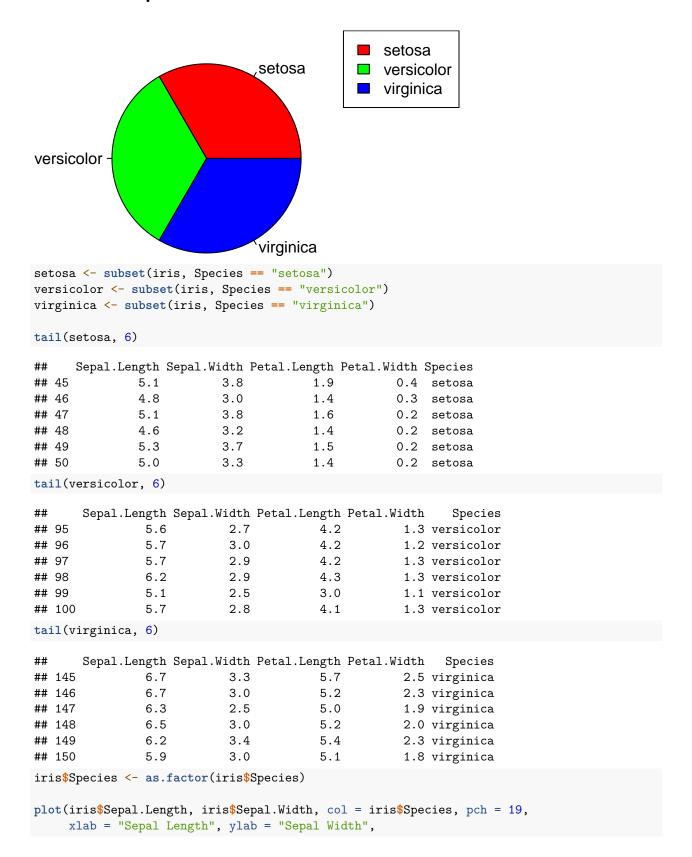
```
if (next_num > 500) {
    break
  }
  print(next_num)
  prev <- curr</pre>
  curr <- next_num</pre>
}
## [1] 1
## [1] 2
## [1] 3
## [1] 5
## [1] 8
## [1] 13
## [1] 21
## [1] 34
## [1] 55
## [1] 89
## [1] 144
## [1] 233
## [1] 377
ImportedDataSet <- read.csv(file = "/cloud/project/worksheet#4/ShoeSizeHeightGender.csv", header = TRU</pre>
head(ImportedDataSet, 6)
     Shoe.Size Height Gender
## 1
           6.5
                  66.0
## 2
           9.0
                  68.0
                            F
## 3
                            F
           8.5
                  64.5
## 4
           8.5
                  65.0
## 5
          10.5
                  70.0
                            М
## 6
           7.0
                  64.0
data("iris")
iris
##
       Sepal.Length Sepal.Width Petal.Length Petal.Width
                                                                Species
                             3.5
## 1
                 5.1
                                           1.4
                                                                 setosa
                 4.9
                             3.0
## 2
                                            1.4
                                                        0.2
                                                                 setosa
## 3
                 4.7
                              3.2
                                           1.3
                                                        0.2
                                                                 setosa
## 4
                 4.6
                                           1.5
                              3.1
                                                        0.2
                                                                 setosa
## 5
                 5.0
                              3.6
                                           1.4
                                                        0.2
                                                                 setosa
## 6
                 5.4
                              3.9
                                           1.7
                                                        0.4
                                                                 setosa
## 7
                 4.6
                              3.4
                                           1.4
                                                        0.3
                                                                 setosa
## 8
                 5.0
                              3.4
                                           1.5
                                                        0.2
                                                                 setosa
## 9
                 4.4
                              2.9
                                           1.4
                                                        0.2
                                                                 setosa
## 10
                 4.9
                              3.1
                                           1.5
                                                        0.1
                                                                 setosa
## 11
                 5.4
                              3.7
                                           1.5
                                                        0.2
                                                                 setosa
## 12
                 4.8
                              3.4
                                           1.6
                                                        0.2
                                                                 setosa
## 13
                 4.8
                              3.0
                                           1.4
                                                        0.1
                                                                 setosa
## 14
                 4.3
                              3.0
                                           1.1
                                                        0.1
                                                                 setosa
## 15
                 5.8
                              4.0
                                           1.2
                                                        0.2
                                                                 setosa
## 16
                 5.7
                              4.4
                                           1.5
                                                        0.4
                                                                 setosa
                              3.9
                                                        0.4
## 17
                 5.4
                                           1.3
                                                                 setosa
```

| ## | 18 | 5.1 | 3.5 | 1.4 | 0.3 | setosa |
|----|----------|------------|---------|------------|----------|---------|
| ## | 19 | 5.7 | 3.8 | 1.7 | 0.3 | setosa |
| ## | 20 | 5.1 | 3.8 | 1.5 | 0.3 | setosa |
| ## | 21 | 5.4 | 3.4 | 1.7 | 0.2 | setosa |
| ## | 22 | 5.1 | 3.7 | 1.5 | 0.4 | setosa |
| ## | 23 | 4.6 | 3.6 | 1.0 | 0.2 | setosa |
| ## | 24 | 5.1 | 3.3 | 1.7 | 0.5 | setosa |
| ## | 25 | 4.8 | 3.4 | 1.9 | 0.2 | setosa |
| ## | 26 | 5.0 | 3.0 | 1.6 | 0.2 | setosa |
| ## | 27 | 5.0 | 3.4 | 1.6 | 0.4 | setosa |
| ## | 28 | 5.2 | 3.5 | 1.5 | 0.2 | setosa |
| ## | 29 | 5.2 | 3.4 | 1.4 | 0.2 | setosa |
| ## | 30 | 4.7 | 3.2 | 1.6 | 0.2 | setosa |
| ## | 31 | 4.8 | 3.1 | 1.6 | 0.2 | setosa |
| ## | 32 | 5.4 | 3.4 | 1.5 | 0.4 | setosa |
| ## | 33 | 5.2 | 4.1 | 1.5 | 0.1 | setosa |
| ## | 34 | 5.5 | 4.2 | 1.4 | 0.2 | setosa |
| ## | 35 | 4.9 | 3.1 | 1.5 | 0.2 | setosa |
| ## | 36 | 5.0 | 3.2 | 1.2 | 0.2 | setosa |
| ## | 37 | 5.5 | 3.5 | 1.3 | 0.2 | setosa |
| ## | 38 | 4.9 | 3.6 | 1.4 | 0.1 | setosa |
| ## | 39 | 4.4 | 3.0 | 1.3 | 0.2 | setosa |
| ## | 40 | 5.1 | 3.4 | 1.5 | 0.2 | setosa |
| ## | 41 | 5.0 | 3.5 | 1.3 | 0.3 | setosa |
| ## | 42 | 4.5 | 2.3 | 1.3 | 0.3 | setosa |
| ## | 43 | 4.4 | 3.2 | 1.3 | 0.2 | setosa |
| ## | 44 | 5.0 | 3.5 | 1.6 | 0.6 | setosa |
| ## | 45 | 5.1 | 3.8 | 1.9 | 0.4 | setosa |
| ## | 46 | 4.8 | 3.0 | 1.4 | 0.3 | setosa |
| ## | 47 | 5.1 | 3.8 | 1.6 | 0.2 | setosa |
| ## | 48 | 4.6 | 3.2 | 1.4 | 0.2 | setosa |
| ## | 49 | 5.3 | 3.7 | 1.5 | 0.2 | setosa |
| ## | 50 | 5.0 | 3.3 | 1.4 | 0.2 | setosa |
| ## | 51 | 7.0 | 3.2 | 4.7 | 1.4 vers | |
| ## | 52 | 6.4 | 3.2 | 4.5 | 1.5 vers | |
| ## | 53 | 6.9 | 3.1 | 4.9 | 1.5 vers | |
| ## | | 5.5 | 2.3 | 4.0 | 1.3 vers | |
| ## | | 6.5 | 2.8 | 4.6 | 1.5 vers | |
| ## | | 5.7 | 2.8 | 4.5 | 1.3 vers | |
| | 57 58 | 6.3 4.9 | 3.3 | 4.7 3.3 | 1.6 vers | |
| | 59 | 6.6 | 2.4 2.9 | 4.6 | 1.0 vers | |
| | 60 | 5.2 | 2.7 | 3.9 | 1.4 vers | |
| ## | 61 | 5.0 | 2.0 | 3.5 | 1.4 vers | |
| ## | 62 | 5.9 | 3.0 | 4.2 | 1.5 vers | |
| ## | 63 | 6.0 | 2.2 | 4.0 | 1.0 vers | |
| ## | 64 | 6.1 | 2.9 | 4.7 | 1.4 vers | |
| ## | 65 | 5.6 | 2.9 | 3.6 | 1.3 vers | |
| ## | 66 | 6.7 | 3.1 | 4.4 | 1.4 vers | |
| ## | 67 | 5.6 | 3.0 | 4.5 | 1.5 vers | |
| ## | 68 | 5.8 | 2.7 | 4.1 | 1.0 vers | |
| | 69 | 6.2 | 2.2 | 4.5 | 1.5 vers | |
| ## | 70 | 5.6 | 2.5 | 3.9 | 1.1 vers | sicolor |
| ## | 71 | 5.9 | 3.2 | 4.8 | 1.8 vers | sicolor |
| | | | | | | |

| ## 72 | 6.1 | 2.8 | 4.0 | 1.3 versicolor |
|--|--|---|--|---|
| ## 73 | 6.3 | 2.5 | 4.9 | 1.5 versicolor |
| ## 74 | 6.1 | 2.8 | 4.7 | 1.2 versicolor |
| ## 75 | 6.4 | 2.9 | 4.3 | 1.3 versicolor |
| ## 76 | 6.6 | 3.0 | 4.4 | 1.4 versicolor |
| ## 77 | 6.8 | 2.8 | 4.8 | 1.4 versicolor |
| ## 78 | 6.7 | 3.0 | 5.0 | 1.7 versicolor |
| ## 79 | 6.0 | 2.9 | 4.5 | 1.5 versicolor |
| ## 80 | 5.7 | 2.6 | 3.5 | 1.0 versicolor |
| ## 81 | 5.5 | 2.4 | 3.8 | 1.1 versicolor |
| ## 82 | 5.5 | 2.4 | 3.7 | 1.0 versicolor |
| ## 83 | 5.8 | 2.7 | 3.9 | 1.2 versicolor |
| ## 84 | 6.0 | 2.7 | 5.1 | 1.6 versicolor |
| ## 85 | 5.4 | 3.0 | 4.5 | 1.5 versicolor |
| ## 86 | 6.0 | 3.4 | 4.5 | 1.6 versicolor |
| ## 87 | 6.7 | 3.1 | 4.7 | 1.5 versicolor |
| ## 88 | 6.3 | 2.3 | 4.4 | 1.3 versicolor |
| ## 89 | 5.6 | 3.0 | 4.1 | 1.3 versicolor |
| ## 90 | 5.5 | 2.5 | 4.0 | 1.3 versicolor |
| ## 91 | 5.5 | 2.6 | 4.4 | 1.2 versicolor |
| ## 92 | 6.1 | 3.0 | 4.6 | 1.4 versicolor |
| ## 93 | 5.8 | 2.6 | 4.0 | 1.2 versicolor |
| ## 94 | 5.0 | 2.3 | 3.3 | 1.0 versicolor |
| ## 95 | 5.6 | 2.7 | 4.2 | 1.3 versicolor |
| ## 96 | 5.7 | 3.0 | 4.2 | 1.2 versicolor |
| ## 97 | 5.7 | 2.9 | 4.2 | 1.3 versicolor |
| ## 98 | 6.2 | 2.9 | 4.3 | 1.3 versicolor |
| ## 99 | 5.1 | 2.5 | 3.0 | 1.1 versicolor |
| ## 100 | 5.7 | 2.8 | 4.1 | 1.3 versicolor |
| ## 101 | 6.3 | 3.3 | 6.0 | 2.5 virginica |
| ## 102 | 5.8 | 2.7 | 5.1 | 1.9 virginica |
| | | | | _ |
| ## 103 | 7.1 | 3.0 | 5.9 | 2.1 virginica |
| ## 103 ## 104 | 7.1 6.3 | 3.0 2.9 | 5.9 5.6 | • |
| | | | | 1.8 virginica |
| ## 104 | 6.3 | 2.9 | 5.6 | 1.8 virginica 2.2 virginica |
| ## 104 ## 105 | 6.3 6.5 | 2.9 3.0 | 5.6 5.8 | 1.8 virginica 2.2 virginica 2.1 virginica |
| ## 104 ## 105 ## 106 | 6.3 6.5 7.6 | 2.9 3.0 3.0 | 5.6 5.8 6.6 | 1.8 virginica 2.2 virginica 2.1 virginica 1.7 virginica |
| ## 104 ## 105 ## 106 ## 107 | 6.3 6.5 7.6 4.9 | 2.9 3.0 3.0 2.5 | 5.6 5.8 6.6 4.5 | 1.8 virginica 2.2 virginica 2.1 virginica 1.7 virginica 1.8 virginica |
| ## 104 ## 105 ## 106 ## 107 ## 108 | 6.3 6.5 7.6 4.9 7.3 | 2.9 3.0 3.0 2.5 2.9 2.5 | 5.6 5.8 6.6 4.5 6.3 5.8 | 1.8 virginica 2.2 virginica 2.1 virginica 1.7 virginica 1.8 virginica 1.8 virginica |
| ## 104 ## 105 ## 106 ## 107 ## 108 ## 109 | 6.3 6.5 7.6 4.9 7.3 6.7 | 2.9 3.0 3.0 2.5 2.9 | 5.6 5.8 6.6 4.5 6.3 | 1.8 virginica 2.2 virginica 2.1 virginica 1.7 virginica 1.8 virginica 1.8 virginica 2.5 virginica |
| ## 104 ## 105 ## 106 ## 107 ## 108 ## 109 ## 110 | 6.3 6.5 7.6 4.9 7.3 6.7 | 2.9 3.0 3.0 2.5 2.9 2.5 3.6 | 5.6 5.8 6.6 4.5 6.3 5.8 6.1 | 1.8 virginica 2.2 virginica 2.1 virginica 1.7 virginica 1.8 virginica 1.8 virginica 2.5 virginica 2.0 virginica |
| ## 104 ## 105 ## 106 ## 107 ## 108 ## 109 ## 110 ## 111 | 6.3 6.5 7.6 4.9 7.3 6.7 7.2 6.5 | 2.9 3.0 3.0 2.5 2.9 2.5 3.6 3.2 | 5.6 5.8 6.6 4.5 6.3 5.8 6.1 5.1 | 1.8 virginica 2.2 virginica 2.1 virginica 1.7 virginica 1.8 virginica 1.8 virginica 2.5 virginica 2.0 virginica 1.9 virginica |
| ## 104 ## 105 ## 106 ## 107 ## 108 ## 109 ## 110 ## 111 ## 111 | 6.3 6.5 7.6 4.9 7.3 6.7 7.2 6.5 6.4 | 2.9 3.0 3.0 2.5 2.9 2.5 3.6 3.2 2.7 | 5.6 5.8 6.6 4.5 6.3 5.8 6.1 5.1 5.3 5.5 | 1.8 virginica 2.2 virginica 2.1 virginica 1.7 virginica 1.8 virginica 1.8 virginica 2.5 virginica 2.0 virginica 1.9 virginica 2.1 virginica |
| ## 104 ## 105 ## 106 ## 107 ## 108 ## 109 ## 110 ## 111 ## 112 ## 113 ## 114 | 6.3 6.5 7.6 4.9 7.3 6.7 7.2 6.5 6.4 6.8 5.7 | 2.9 3.0 3.0 2.5 2.9 2.5 3.6 3.2 2.7 | 5.6 5.8 6.6 4.5 6.3 5.8 6.1 5.1 5.3 5.5 | 1.8 virginica 2.2 virginica 2.1 virginica 1.7 virginica 1.8 virginica 1.8 virginica 2.5 virginica 2.0 virginica 1.9 virginica 2.1 virginica 2.1 virginica 2.0 virginica 2.1 virginica |
| ## 104 ## 105 ## 106 ## 107 ## 108 ## 109 ## 110 ## 111 ## 112 ## 113 ## 114 | 6.3 6.5 7.6 4.9 7.3 6.7 7.2 6.5 6.4 6.8 | 2.9 3.0 3.0 2.5 2.9 2.5 3.6 3.2 2.7 3.0 2.5 | 5.6 5.8 6.6 4.5 6.3 5.8 6.1 5.1 5.3 5.5 | 1.8 virginica 2.2 virginica 2.1 virginica 1.7 virginica 1.8 virginica 1.8 virginica 2.5 virginica 2.0 virginica 1.9 virginica 2.1 virginica |
| ## 104 ## 105 ## 106 ## 107 ## 108 ## 110 ## 111 ## 111 ## 112 ## 113 ## 114 ## 115 | 6.3 6.5 7.6 4.9 7.3 6.7 7.2 6.5 6.4 6.8 5.7 5.8 | 2.9 3.0 3.0 2.5 2.9 2.5 3.6 3.2 2.7 3.0 2.5 2.8 | 5.6 5.8 6.6 4.5 6.3 5.8 6.1 5.1 5.3 5.5 5.0 | 1.8 virginica 2.2 virginica 2.1 virginica 1.7 virginica 1.8 virginica 1.8 virginica 2.5 virginica 2.0 virginica 1.9 virginica 2.1 virginica 2.0 virginica 2.1 virginica 2.2 virginica 2.3 virginica 2.4 virginica 2.4 virginica |
| ## 104 ## 105 ## 106 ## 107 ## 108 ## 109 ## 110 ## 111 ## 112 ## 113 ## 114 ## 115 ## 116 | 6.3 6.5 7.6 4.9 7.3 6.7 7.2 6.5 6.4 6.8 5.7 5.8 6.4 | 2.9 3.0 3.0 2.5 2.9 2.5 3.6 3.2 2.7 3.0 2.5 2.8 3.2 | 5.6 5.8 6.6 4.5 6.3 5.8 6.1 5.1 5.3 5.5 5.0 5.1 | 1.8 virginica 2.2 virginica 2.1 virginica 1.7 virginica 1.8 virginica 1.8 virginica 2.5 virginica 2.0 virginica 1.9 virginica 2.1 virginica 2.1 virginica 2.2 virginica 2.3 virginica 2.3 virginica 1.8 virginica 1.8 virginica |
| ## 104 ## 105 ## 106 ## 107 ## 108 ## 110 ## 111 ## 112 ## 113 ## 114 ## 115 ## 116 ## 117 ## 118 | 6.3 6.5 7.6 4.9 7.3 6.7 7.2 6.5 6.4 6.8 5.7 5.8 6.4 6.5 | 2.9 3.0 3.0 2.5 2.9 2.5 3.6 3.2 2.7 3.0 2.5 2.8 3.2 3.0 3.8 | 5.6 5.8 6.6 4.5 6.3 5.8 6.1 5.1 5.3 5.5 5.0 5.1 5.3 5.5 | 1.8 virginica 2.2 virginica 2.1 virginica 1.7 virginica 1.8 virginica 1.8 virginica 2.5 virginica 2.0 virginica 1.9 virginica 2.1 virginica 2.1 virginica 2.2 virginica 2.3 virginica 2.3 virginica 2.3 virginica 2.3 virginica 2.2 virginica 2.2 virginica 2.2 virginica |
| ## 104 ## 105 ## 106 ## 107 ## 108 ## 110 ## 111 ## 112 ## 113 ## 114 ## 115 ## 116 ## 117 ## 118 | 6.3 6.5 7.6 4.9 7.3 6.7 7.2 6.5 6.4 6.8 5.7 5.8 6.4 6.5 7.7 | 2.9 3.0 3.0 2.5 2.9 2.5 3.6 3.2 2.7 3.0 2.5 2.8 3.2 3.0 3.8 2.6 | 5.6 5.8 6.6 4.5 6.3 5.8 6.1 5.1 5.3 5.5 5.0 5.1 5.3 5.7 6.7 | 1.8 virginica 2.2 virginica 2.1 virginica 1.7 virginica 1.8 virginica 1.8 virginica 2.5 virginica 2.0 virginica 1.9 virginica 2.1 virginica 2.1 virginica 2.2 virginica 2.3 virginica 2.3 virginica 2.3 virginica 2.2 virginica 2.3 virginica |
| ## 104 ## 105 ## 106 ## 107 ## 108 ## 110 ## 111 ## 112 ## 113 ## 114 ## 115 ## 116 ## 117 ## 118 ## 119 ## 120 | 6.3 6.5 7.6 4.9 7.3 6.7 7.2 6.5 6.4 6.8 5.7 5.8 6.4 6.5 7.7 7.7 | 2.9 3.0 3.0 2.5 2.9 2.5 3.6 3.2 2.7 3.0 2.5 2.8 3.2 3.0 3.8 2.6 2.2 | 5.6 5.8 6.6 4.5 6.3 5.8 6.1 5.1 5.3 5.5 5.0 5.1 5.3 5.5 6.7 6.9 5.0 | 1.8 virginica 2.2 virginica 2.1 virginica 1.7 virginica 1.8 virginica 1.8 virginica 2.5 virginica 2.0 virginica 2.1 virginica 2.1 virginica 2.1 virginica 2.2 virginica 2.3 virginica 1.8 virginica 2.3 virginica 2.2 virginica 2.3 virginica |
| ## 104 ## 105 ## 106 ## 107 ## 108 ## 110 ## 111 ## 112 ## 113 ## 114 ## 115 ## 116 ## 117 ## 118 ## 119 ## 120 ## 121 | 6.3 6.5 7.6 4.9 7.3 6.7 7.2 6.5 6.4 6.8 5.7 5.8 6.4 6.5 7.7 7.7 6.0 6.9 | 2.9 3.0 3.0 2.5 2.9 2.5 3.6 3.2 2.7 3.0 2.5 2.8 3.2 3.0 3.8 2.6 2.2 3.2 | 5.6 5.8 6.6 4.5 6.3 5.8 6.1 5.1 5.3 5.5 5.0 5.1 5.3 5.5 6.7 6.9 5.0 5.7 | 1.8 virginica 2.2 virginica 2.1 virginica 1.7 virginica 1.8 virginica 1.8 virginica 2.5 virginica 2.0 virginica 2.1 virginica 2.1 virginica 2.1 virginica 2.2 virginica 2.3 virginica 1.8 virginica 2.3 virginica 2.2 virginica 2.3 virginica |
| ## 104 ## 105 ## 106 ## 107 ## 108 ## 110 ## 111 ## 112 ## 113 ## 114 ## 115 ## 116 ## 117 ## 118 ## 119 ## 120 ## 121 ## 122 | 6.3 6.5 7.6 4.9 7.3 6.7 7.2 6.5 6.4 6.8 5.7 5.8 6.4 6.5 7.7 7.7 6.0 6.9 5.6 | 2.9 3.0 3.0 2.5 2.9 2.5 3.6 3.2 2.7 3.0 2.5 2.8 3.2 3.0 3.8 2.6 2.2 3.2 2.8 | 5.6 5.8 6.6 4.5 6.3 5.8 6.1 5.1 5.3 5.5 5.0 5.1 5.3 5.5 6.7 6.9 5.0 5.7 4.9 | 1.8 virginica 2.2 virginica 2.1 virginica 1.7 virginica 1.8 virginica 1.8 virginica 2.5 virginica 2.0 virginica 2.1 virginica 2.1 virginica 2.1 virginica 2.2 virginica 2.3 virginica 2.3 virginica 2.2 virginica 2.3 virginica |
| ## 104 ## 105 ## 106 ## 107 ## 108 ## 109 ## 110 ## 111 ## 112 ## 113 ## 114 ## 115 ## 116 ## 117 ## 118 ## 119 ## 120 ## 121 ## 122 ## 123 | 6.3 6.5 7.6 4.9 7.3 6.7 7.2 6.5 6.4 6.8 5.7 5.8 6.4 6.5 7.7 7.7 6.0 6.9 5.6 7.7 | 2.9 3.0 3.0 2.5 2.9 2.5 3.6 3.2 2.7 3.0 2.5 2.8 3.2 3.0 3.8 2.6 2.2 3.2 2.8 2.8 | 5.6 5.8 6.6 4.5 6.3 5.8 6.1 5.1 5.3 5.5 5.0 5.1 5.3 5.5 6.7 6.9 5.0 5.7 4.9 6.7 | 1.8 virginica 2.2 virginica 2.1 virginica 1.7 virginica 1.8 virginica 1.8 virginica 2.5 virginica 2.0 virginica 2.1 virginica 2.1 virginica 2.2 virginica 2.2 virginica 2.3 virginica 2.3 virginica 2.2 virginica 2.3 virginica 2.0 virginica |
| ## 104 ## 105 ## 106 ## 107 ## 108 ## 109 ## 110 ## 111 ## 112 ## 113 ## 114 ## 115 ## 116 ## 117 ## 118 ## 119 ## 120 ## 121 ## 122 ## 123 | 6.3 6.5 7.6 4.9 7.3 6.7 7.2 6.5 6.4 6.8 5.7 5.8 6.4 6.5 7.7 7.7 6.0 6.9 5.6 | 2.9 3.0 3.0 2.5 2.9 2.5 3.6 3.2 2.7 3.0 2.5 2.8 3.2 3.0 3.8 2.6 2.2 3.2 2.8 | 5.6 5.8 6.6 4.5 6.3 5.8 6.1 5.1 5.3 5.5 5.0 5.1 5.3 5.5 6.7 6.9 5.0 5.7 4.9 | 1.8 virginica 2.2 virginica 2.1 virginica 1.7 virginica 1.8 virginica 1.8 virginica 2.5 virginica 2.0 virginica 2.1 virginica 2.1 virginica 2.1 virginica 2.2 virginica 2.3 virginica 2.3 virginica 2.2 virginica 2.3 virginica |

```
## 126
                7.2
                            3.2
                                         6.0
                                                      1.8 virginica
                6.2
## 127
                            2.8
                                         4.8
                                                      1.8 virginica
## 128
                6.1
                            3.0
                                         4.9
                                                      1.8 virginica
## 129
                            2.8
                6.4
                                         5.6
                                                      2.1 virginica
## 130
                7.2
                            3.0
                                         5.8
                                                      1.6 virginica
## 131
                7.4
                                                      1.9 virginica
                            2.8
                                         6.1
## 132
                7.9
                            3.8
                                                      2.0 virginica
                                         6.4
## 133
                            2.8
                                                      2.2 virginica
                6.4
                                         5.6
                                                      1.5 virginica
## 134
                6.3
                            2.8
                                         5.1
## 135
                6.1
                            2.6
                                         5.6
                                                      1.4 virginica
## 136
                7.7
                            3.0
                                         6.1
                                                      2.3 virginica
## 137
                6.3
                            3.4
                                         5.6
                                                      2.4 virginica
## 138
                6.4
                            3.1
                                         5.5
                                                      1.8 virginica
## 139
                                                      1.8 virginica
                6.0
                            3.0
                                         4.8
## 140
                6.9
                            3.1
                                         5.4
                                                      2.1 virginica
## 141
                6.7
                            3.1
                                         5.6
                                                      2.4 virginica
## 142
                6.9
                                                      2.3 virginica
                            3.1
                                         5.1
## 143
                5.8
                            2.7
                                         5.1
                                                      1.9 virginica
## 144
                6.8
                            3.2
                                         5.9
                                                      2.3 virginica
## 145
                6.7
                            3.3
                                         5.7
                                                      2.5 virginica
## 146
                6.7
                            3.0
                                         5.2
                                                      2.3 virginica
## 147
                6.3
                            2.5
                                         5.0
                                                      1.9 virginica
## 148
                6.5
                            3.0
                                                      2.0 virginica
                                         5.2
## 149
                6.2
                            3.4
                                         5.4
                                                      2.3 virginica
## 150
                                                      1.8 virginica
                5.9
                            3.0
                                         5.1
str(iris)
## 'data.frame':
                    150 obs. of 5 variables:
## $ Sepal.Length: num 5.1 4.9 4.7 4.6 5 5.4 4.6 5 4.4 4.9 ...
## $ Sepal.Width : num 3.5 3 3.2 3.1 3.6 3.9 3.4 3.4 2.9 3.1 ...
## $ Petal.Length: num 1.4 1.4 1.3 1.5 1.4 1.7 1.4 1.5 1.4 1.5 ...
## $ Petal.Width : num 0.2 0.2 0.2 0.2 0.2 0.4 0.3 0.2 0.2 0.1 ...
                  : Factor w/ 3 levels "setosa", "versicolor", ...: 1 1 1 1 1 1 1 1 1 1 1 ...
## $ Species
MeanPetalObject <-
  mean(iris$Sepal.Length)
  mean(iris$Sepal.Width)
## [1] 3.057333
  mean(iris$Petal.Length)
## [1] 3.758
  mean(iris$Petal.Width)
## [1] 1.199333
  IrisSpecies <- table(iris$Species)</pre>
pie(IrisSpecies, labels = names(IrisSpecies), main = "Iris Species Distribution", col = rainbow(length(
legend("topright", legend = names(IrisSpecies), fill = rainbow(length(IrisSpecies)))
```

Iris Species Distribution



```
main = "Iris Dataset", sub = "Sepal width and length")
legend("topright", legend = levels(iris$Species), col = 1:length(levels(iris$Species)), pch = 19)
```

Iris Dataset

