

Solutions to Exercises from Chapter 5

1.1-. [1] 2 12

1.2-. [, 1] [, 2]
[1,] 1 1
[2,] 2 2

1.3-. Using functions `rownames()` and `colnames()`.

1.4-. `cbind(X, Y)`

1.5-. For the product of all elements of a matrix X : `prod(X)`.
For the product of the elements of each column of matrix X :
`apply(X, FUN=prod, MARGIN=2)`.

1.6-. [1] 4
 [1] 2 6 8 3

1.7-. `weight[height>180]`

1.8-. [1] 7 8 9
 [1] 5 6

1.9-. `L[[4]] <- 1:10`

1.10-. [1] 67

1.11-. `attach(X)`
 `weight[sex=="F"]`
 `height[sex=="F"]`
 # or:
 `X[sex=="F", -3]`

1.12-. [1] 1 2 3 and `integer(0)`

1.13-. [1] TRUE TRUE FALSE and [1] TRUE

1.14-. [1] 4 4

1.15-. [1] "acbd"

1.16-. `[[1]]`
`[1] "ab" "cd"`

1.17-. `[1] "" "cd"`

1.18-. `tolower(c("Jack", "Julia", "William"))`

1.19-. `strptime().`