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1

0 / 1 point

In R, scalars (numbers) are one-element vectors.

☐ False

☐ True

✖ (no answer)

Correct Answer: True

2

0 / 1 point

Which command generates this matrix?

[,1][,2]

[1,1]12

[2,1]34

☐ matrix(c(1,2,3,4),ncol=2)

☐ matrix(c(1,2,3,4),byrow=TRUE)

☐ matrix(c(1,2,3,4),ncol=2, byrow=TRUE)

☐ matrix(c(1,2,3,4),ncol=2,byrow=FALSE)

✖ (no answer)

Correct Answer: matrix(c(1,2,3,4),ncol=2, byrow=TRUE)

3

0 / 1 point

In R, what does (-Inf)\*(Inf) give you?

☐ NA (empty character)

☐ NA (missing number)

☐ Inf (infinite number)

☐ NaN (not a number)

✖ (no answer)

Correct Answer: NaN (not a number)

4

0 / 1 point

How can you extract elements from `qu <- c(18,108,1000)` that are greater than 100?

☐ `qu > 100`

✖

☐ `qu[which(qu>100)]`

Missed Option - Incorrect

☐ `which(qu > 100)`

✖

☐ `qu[qu>100]`

Missed Option - Incorrect

✖ (no answer)

5

0 / 1 point

What is `matrix(c(c(1,2)))` ?

☐ A 2 x 2 matrix

✖

☐ `matrix(c(1,2))`

Missed Option - Incorrect

☐ A 4 x 1 matrix

✖

☐ Error

Missed Option - Incorrect

☐ A 2 x 1 matrix

✖

✖ (no answer)

6

0 / 1 point

The matrix `star_wars` stores the revenue of three Star Wars films:

US non-US

A New Hope469,150110.4

The Empire Strikes Back290,475247.9

Return of the Jedi269,110255.0

Which command leads to the output:

[1] "A New Hope"

"The Empire Strikes Back"

[3] "Return of the Jedi"

☐ `print(star_wars)`

☐ `names(star_wars)`

☐ `rownames(star_wars)`

☐ `colnames(star_wars)`

✖ (no answer)

Correct Answer: rownames(star\_wars)

7

0 / 1 point

What R data type and what kind of R object is `rbind(1, "Archipel Guling")`?

Tip: you can use the functions `mode` and `class` to check data type/object class in R

☐ "vector"

✖

☐ "matrix"

Missed Option - Incorrect

☐ "character"

Missed Option - Incorrect

☐ "data frame"

✖

✖ (no answer)

8

0 / 1 point

Which command(s) creates the following matrix?

[,1][,2]

[1,]112

[2,]"a""b"

☐ `matrix(row_1=c(1,2), row_2=c("a","b"))`

☐ `matrix(c(1,2),c("a","b"))`

✖

☐ `rbind(c(1,2),c("a","b"))`

Missed Option - Incorrect

✖

←