

Microsoft: DAT209x Programming in R for Data Science



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 Vectors and Matrices

Lecture

Knowledge Checks

Quiz due Jun 27, 2016 at 23:30 UTC

Lab

Lab due Jun 27, 2016 at 23:30 UTC 4. Working with Vectors and Matrices > Knowledge Checks > Quiz

■ Bookmark

Question 1

(1/1 point)

The vectors x, y, and z are constructed as follows:

How many elements do vector xyz have if it is constructed as follows:

xyz<-c(x,y,z)

O 3

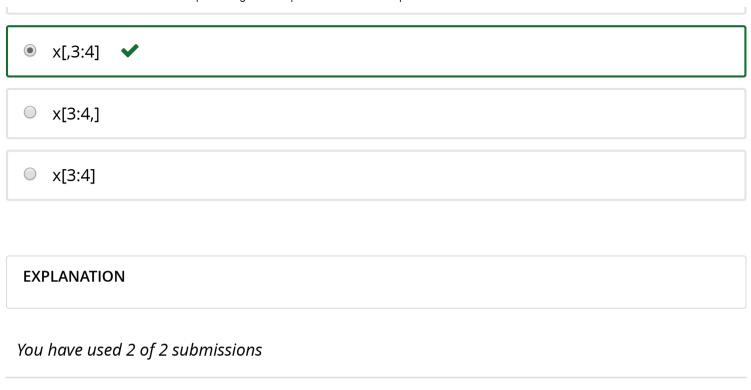
O 8

● 10 ✔
0 15
EXPLANATION
You have used 1 of 2 submissions
Question 2
(1/1 point) You would like to construct a 3 by 3 matrix of numbers between 1 to 9. The first row should have the value 1 to 3, the second row should have the value 4 to 6 and the third row should have the value 7 to 9.
Which command should you run?
matrix(1:9, ncol=3)
matrix(1:9, nrow=3)

matrix(1:9, ncol=3, ncol=3)
● matrix(1:9, ncol=3, byrow=TRUE) ✔
EXPLANATION
You have used 1 of 2 submissions
Question 3
(1/1 point) The vector x is defined as follows:
x<-1:10
Which command will select the elements which are odd numbers from vector x?
○ x[1,3,5,7,9]
○ x[1:9]

● x[2*(1:5)-1] ✓
x[rep(c(FALSE,TRUE),5)]
EXPLANATION
You have used 1 of 2 submissions
Question 4
(1/1 point) The matrix x is defined as follows:
x<-matrix(-4:5,nrow=2)
Which command will select the element that has 0 value?
O x[2,2]

● x[1,3] ✔
○ x[3,1]
O x[2,3]
EXPLANATION
You have used 1 of 2 submissions
Question 5
(1/1 point) The matrix x is defined as follows:
x<-matrix(-4:5,nrow=2)
Which command will select the third and fourth columns of the matrix?
○ x[3,4]



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