Microsoft: DAT209x Programming in R for Data Science

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Question 1

(1/1 point)

Which function should you use to display the structure of an R object?

- summary()
- structure()
- print()
- str() ✔

You have used 1 of 2 submissions

Question 2

(1/1 point)

You have two data frames dat1 and dat2 with the following data:

> dat1

name age
1 Cat 9
2 Vic 7
3 Osc 4

> dat2

name gender
1 Vic male
2 Jon male
3 Cat female

How many rows is the resulting dataset when you run the following command?

merge(dat1, dat2)

- (●) 2 ✔
- ( ) 3
- ( ) 4

- 6

You have used 2 of 2 submissions

Question 3

(1/1 point)

What about if you run the following command instead?

merge(dat1, dat2, all = TRUE)

- 2
- 3
- 4 ✔
- 6

You have used 1 of 2 submissions

Question 4

(1/1 point)

Which command should you use to filter out the Nas from the Solar.R column of the airquality dataset?

- filter(airquality, !is.na(Solar.R))
- subset(airquality, !is.na(Solar.R)) ✔
- filter(airquality, is.na(Solar.R))
- subset(airquality, is.na(Solar.R))

You have used 1 of 2 submissions

Question 5

(1/1 point)

You have the following data frame.

> df

person.ID fruit
1 1 apple : 3 Orange : 9 banana:2
2 2 Orange:1 Apple: 3 banana: 10
3 3 banana : 3 Apple : 3 Orange : 04

You want to create a new data frame containing the number of banana eaten for each person. Drag and drop the following code to perform the complete solution.

	pattern <- ".*banana[:]*([0-9]*).*"	

```
bananaVec <- as.numeric(sub(pattern, "\\1", df$fruit, ignore.case = TRUE))


bananaDf <- data.frame(person.ID = df$person.ID, number.of.banana = bananaVec)
```

pattern <- ".*banana[:]([0-9]*).*"	pattern <- "banana[:]*([0-9]*).*"	pattern <- ".*banana[:]*([0-9]*)"	

Note: If you have dragged an answer to a box and then wish to change your selection, you must first drag the answer out of the box before dragging in a new one.

You have used 2 of 2 submissions