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In-Class Exercise 2

• This is a preview of the published version of the quiz

Started: Jul 21 at 3:50p.m.

Quiz Instructions

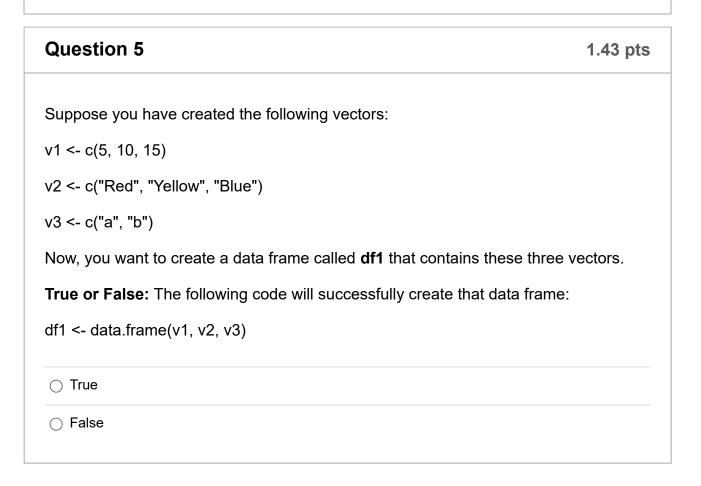
As long as you are online, your answers will be automatically saved while you complete the exercise. While you have unlimited attempts to complete this in-class-exercise before the due date, only the grade of the last submitted attempt will be recorded.

Question 1 1.42 pt	s
Copy the following code into R (note: don't worry if you don't know why this worksw didn't cover this code in class and the set.seed() or the runif() functions are not on the examthis is just for fun)	
set.seed(888)	
rand_vec<-runif(1000000,min=0,max=100)	
You should have a vector of 1,000,000 randomly generated numbers starting with 2.55, 35.67, 6.14	
What is the standard deviation of rand_vec?	
The answer is closest to:	
○ 0	
O 22.390	
○ 25.663	
○ 27.483	
○ 28.869	

Question 2	1.43 pts
The <i>mtcars</i> dataset is a built-in dataset in R. Some here	

Question 4 1.43 pts

What is the average horsepower for all cars in the my_cars dataset? Fill in below, round to one decimal place.



Question 6 1.43 pts

Suppose you run the following code to create a data frame:

mydf <- data_frame(

a = c(1,2,3,NA,5),

b = c(1,4,9,NA,25)

)

View the dataframe before completing the following questions, using the View(mydf) command.

How would you calculate the variance of the *a* column in *mydf* based on non-missing values? Select all possible options that would do this. If none of them work, then select none of the above.

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var(a, na.rm = FALSE)		
□ var(mydf\$a, na.rm = TRUE)		
□ var(mydf\$a, na.rm = FALSE)		
☐ None of the above (if you choose this option do NOT choo	ose any of the other option	ns)
Question 7		1.43 pts
	in column a from the d	ataframe
mydf. Select all possible lines of code that can achieve		
mydf. Select all possible lines of code that can achieve		
mydf. Select all possible lines of code that can achieve then select none of the above.		
mydf. Select all possible lines of code that can achieve then select none of the above. sum(is.na(mydf\$a))		
mydf. Select all possible lines of code that can achieve then select none of the above. sum(is.na(mydf\$a)) sum(is.na(a))		
sum(is.na(a)) sum(mydf\$a, na.rm = TRUE)		
mydf. Select all possible lines of code that can achieve then select none of the above. sum(is.na(mydf\$a)) sum(is.na(a)) sum(mydf\$a, na.rm = TRUE) sum(a, na.rm = TRUE)		