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Week 3 Quiz

5 questions

1 point

1.

Take a look at the 'iris' dataset that comes with R. The data can be loaded with the code:

- 1 library(datasets)
- 2 data(iris)

A description of the dataset can be found by running

1 ?iris

There will be an object called 'iris' in your workspace. In this dataset, what is the mean of 'Sepal.Length' for the species *virginica*? **Please round your answer to the nearest whole number**.

(Only enter the numeric result and nothing else.)

Enter answer here

1 point

2

Continuing with the 'iris' dataset from the previous Question, what R code returns a vector of the means of the variables 'Sepal.Length', 'Sepal.Width', 'Petal.Length', and 'Petal.Width'?

- ocolMeans(iris)
- **O** apply(iris[, 1:4], 2, mean)
- O apply(iris, 2, mean)

0	apply(iris, 1, mean)
0	rowMeans(iris[, 1:4])
0	apply(iris[, 1:4], 1, mean)
1 poin	t
3. Load tl	he 'mtcars' dataset in R with the following code
1 2	library(datasets) data(mtcars)
	will be an object names 'mtcars' in your workspace. You can find some lation about the dataset by running
1	?mtcars
	an one calculate the average miles per gallon (mpg) by number of ers in the car (cyl)? Select all that apply.
	lapply(mtcars, mean)
	tapply(mtcars\$cyl, mtcars\$mpg, mean)
	sapply(split(mtcars\$mpg, mtcars\$cyl), mean)
	apply(mtcars, 2, mean)
	tapply(mtcars\$mpg, mtcars\$cyl, mean)
	split(mtcars, mtcars\$cyl)
	sapply(mtcars, cyl, mean)
	with(mtcars, tapply(mpg, cyl, mean))
	mean(mtcars\$mpg, mtcars\$cyl)
1 poin	t

https://www.coursera.org/learn/r-programming/exam/hZgBh/week-3-quiz

4.

Continuing with the 'mtcars' dataset from the previous Question, what is the absolute difference between the average horsepower of 4-cylinder cars and the average horsepower of 8-cylinder cars?

(**Please round your final answer to the nearest whole number**. Only enter the numeric result and nothing else.)

Ent	ter answer here	
point 5. If you r		
ii you i		
1	debug(ls)	
what h	appens when you next call the 'ls' function? You will be prompted to specify at which line of the function you would like to suspend execution and enter the browser.	
0	The 'ls' function will return an error.	
0	Execution of the 'ls' function will suspend at the 4th line of the function and you will be in the browser.	
0	Execution of 'ls' will suspend at the beginning of the function and you will be in the browser.	
	4 questions unanswered	
Upgrade to submit		



