Week 3 Quiz

Quiz, 5 questions



Congratulations! You passed!

Next Item



1/1 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.)



Correct Response

To get the answer here, you can use 'tapply' to calculate the mean of 'Sepal.Length' within each species.



1/1 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'?



apply(iris[, 1:4], 2, mean)

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Quiz, 5 qu	Quiz, 5 questions	
	colMeans(iris)	
	apply(iris[, 1:4], 1, mean)	
	apply(iris, 1, mean)	
	rowMeans(iris[, 1:4])	
	apply(iris, 2, mean)	
✓ 3.	1 / 1 point	
	ne 'mtcars' dataset in R with the following code	
1 2	library(datasets) data(mtcars)	
There runnin		
1	?mtcars	
How ca	an one calculate the average miles per gallon (mpg) by number of cylinders in the car (cyl)? Select all that apply.	
	sapply(split(mtcars\$mpg, mtcars\$cyl), mean)	
Corr	ect	
	with(mtcars, tapply(mpg, cyl, mean))	
Corr	ect	
	split(mtcars, mtcars\$cyl)	
Un-s	elected is correct	

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

Week 3 Quiz tapply(mtcars\$cyl, mtcars\$mpg, mean) Quiz, 5 questions
Un-selected is correct
tapply(mtcars\$mpg, mtcars\$cyl, mean)
Correct
sapply(mtcars, cyl, mean)
Un-selected is correct
lapply(mtcars, mean)
Un-selected is correct
mean(mtcars\$mpg, mtcars\$cyl)
Un-selected is correct
apply(mtcars, 2, mean)
Un-selected is correct
1/1 point
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.)
127
Correct Response

Week 3 Ouiz

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uiz, 5 qu	estions
~	1 / 1 point
5. If you i	run
1	debug(ls)
what h	appens when you next call the 'ls' function?
	The 'ls' function will return an error.
	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.
Corr	ect
	You will be prompted to specify at which line of the function you would like to suspend execution and enter the browser.



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