5/16/2015 Coursera

Feedback - Week 3 Quiz

Help Center

You submitted this quiz on **Sat 16 May 2015 10:43 AM PDT**. You got a score of **5.00** out of **5.00**.

Question 1

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

library(datasets)
data(iris)

A description of the dataset can be found by running

?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 only enter the numeric result and nothing else.)

You entered:

6.588

Your Answer		Score	Explanation
6.588	~	1.00	To get the answer here, you can use 'tapply' to calculate the mean of 'Sepal.Length' within each species.
Total		1.00 / 1.00	

Question 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'?

Your Answer Score Explanation

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apply(iris[, 1:4], 1, mean)		
apply(iris, 1, mean)		
apply(iris, 2, mean)		
• apply(iris[, 1:4], 2, mean)	~	1.00
Total		1.00 / 1.00

Question 3

Load the 'mtcars' dataset in R with the following code

library(datasets)
data(mtcars)

There will be an object names 'mtcars' in your workspace. You can find some information about the dataset by running

?mtcars

How can one calculate the average miles per gallon (mpg) by number of cylinders in the car (cyl)?

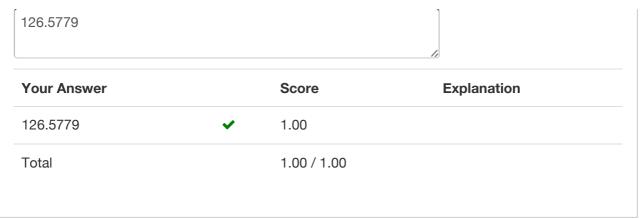
Score	Explanation
1.00	
1.00 / 1.00	
	1.00

Question 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?

You entered:

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Question 5			
If you run			
debug(ls)			
what happens when you next call the 'ls' function?			
Your Answer		Score	Explanation
• Execution of 'ls' will suspend at the beginning of the function and you will be in the browser.	~	1.00	
You will be prompted to specify at which line of the function you would like to suspend execution and enter the browser.			
The 'ls' function will return an error.			
The 'ls' function will execute as usual.			
Total		1.00 / 1.00	