X

Week 3 Quiz

5 questions

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 round your answer to the nearest whole number**.

(Only enter the numeric result and nothing else.)

6

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

0	apply(iris, 1, mean)
0	colMeans(iris)
0	apply(iris, 2, mean)
3. Load t	ne 'mtcars' dataset in R with the following code
	ary(datasets) (mtcars)
	will be an object names 'mtcars' in your workspace. You can find nformation about the dataset by running
?mtc	ars
	an one calculate the average miles per gallon (mpg) by number of ers in the car (cyl)? Select all that apply.
	lapply(mtcars, mean)
	mean(mtcars\$mpg, mtcars\$cyl)
	apply(mtcars, 2, mean)
	with(mtcars, tapply(mpg, cyl, mean))
	sapply(mtcars, cyl, mean)
	split(mtcars, mtcars\$cyl)
	sapply(split(mtcars\$mpg, mtcars\$cyl), mean)
	tapply(mtcars\$mpg, mtcars\$cyl, mean)

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.)

12	
5.	
If you r	run
debug(ls)	
what h	appens when you next call the 'ls' function?
0	You will be prompted to specify at which line of the function you would like to suspend execution and enter the browser.
0	Execution of 'ls' will suspend at the beginning of the function and you will be in 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.
Submit Quiz	





