R Quiz Part 2

MKT 317, Spring 2021

# R Quiz Part 2 Questions

The R Quiz Part 2 has two questions, worth 10 points each.

R Quiz Part 2, Question 1

For the data set in R called longley , suppose we would like to calculate average value for each of the variables in the data set.

**Write two commands in R:**

**The first command should be a # symbol followed by your name.**

**For example**, if Dr. Wassink were taking this quiz, she should begin this quiz with the command

#Bronlyn Wassink

**The second command** should be the command that computes the minimum, 25th percentile, mean, median, 75th percentile, and maximum value for every variable in the longley data set.

Include one screenshot of the Console that shows **both** commands described above **and** the output of the second command.

<paste your screenshot here>

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Graphical user interface, application

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R Quiz Part 2, Question 2

For the data set in R called longley and we will create a linear regression model.

**Write two commands in R:**

**The first command** should create the linear regression model using the **y-variable** Employed and the **x-variable** Population from the data set longley , where the name of the model you create includes at least part of your name (be sure that there aren’t special characters or spaces in the model name).

For example, if Dr. Wassink was taking this quiz, one way that she might name her linear regression model WassinkModel

The desired model is

Predicted Employed = (intercept) + (slope)\*(Population)

**The second command** is what we’d use to get detailed information about this model, such as the values of the intercept and slope, the Multiple R-squared, the p-values for the intercept and slope, as well as other output.

Include one screenshot of the R console that shows **both** commands described above **and** the output of the second command.

If both commands and all the output do not all fit in one screenshot, you may either use the View menu at the top of RStudio to Zoom Out, or you may give a screenshot of the Console that shows both commands and some of the output from the second command (at least enough to show the Call: and Residuals: part of the output)

<paste your screenshot here>

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