Help

QUICK QUESTION 4 (3/3 points)

In R, use the dataset wine.csv (/c4x/MITx/15.071x/asset/wine.csv) to create a linear regression model to predict Price using HarvestRain and WinterRain as independent variables. Using the summary output of this model, answer the following questions:

What is the "Multiple R-squared" value of your model?

> 0.3177

> 0.3177

Answer: 0.3177

What is the coefficient for HarvestRain?

> -4.971e-03

> -4.971×10^{-03}

Answer: -4.971e-03

What is the intercept coefficient?

> 7.865e+00

> $7.865 \times 10^{+00}$

Answer: 7.865

EXPLANATION

In R, create the model by typing the following line into your R console:

modelQQ4 = lm(Price ~ HarvestRain + WinterRain, data=wine)

Then, look at the output of summary(modelQQ4). The Multiple R-squared is listed at the bottom of the output, and the coefficients can be found in the coefficients table.

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