QUICK QUESTION 5 (3/3 points)

Using the data set wine.csv (/c4x/MITx/15.071x/asset/wine.csv), what is the correlation between HarvestRain and WinterRain?

-0.2754409

-0.2754409

Answer: -0.2754409

EXPLANATION

First load the dataset into R and call it "wine":

> wine = read.csv("wine.csv")

Then you can compute the correlation between HarvestRain and WinterRain by typing the following command into your R console:

> cor(wine$HarvestRain, wine$WinterRain)

Now, use the dataset wine.csv to create a linear regression model to predict Price using HarvestRain and WinterRain as independent variables, like you did in the previous quick question. Using the summary output of this model, answer the following questions:

Is the coefficient for HarvestRain significant?

- (•) Yes ✔
- ( ) No
- ( ) I can't answer this question using the summary output.

Is the coefficient for WinterRain significant?

- ( ) Yes
- (•) No ✔
- ( ) I can't answer this question using the summary output.

EXPLANATION

You can create the model and look at the summary output with the following command:

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

summary(model)

From the summary output, you can see that HarvestRain is significant (two stars), but WinterRain is not (no stars).

Final Check | Save | Hide Answer *You have used 1 of 2 submissions*

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