

# Quiz 3

⚠ This is a preview of the published version of the quiz

Started: Jul 17 at 1:11pm

## Quiz Instructions

To answer these questions use the results at:

[http://www.rob-mcculloch.org/bs\\_2022/webpage/q3\\_summer22.html](http://www.rob-mcculloch.org/bs_2022/webpage/q3_summer22.html)

You have 1 hour to complete the quiz.

You can start it any time you want the the availability window, but once you start, you have to finish it in an hour.

The test is open book, open notes, open internet, you just can't interact with a person.

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### Question 1

1 pts

The correlation between  $x$ =size and  $y$ =price is

- .056
- .43
- .97
- .55

### Question 2

1 pts

From the multiple regression of  $y$ =price on  $x$ =size and  $d$ =dummy for view, the correlation between the fitted values and  $y$  is (often called the "multiple correlation")

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.97 .44 -38 .66**Question 3****1 pts**

From the multiple regression of  $y=\text{price}$  on  $x=\text{size}$  and  $d=\text{dummy for view}$ , the predicted price for a house with  $x=\text{size}=2$  and a view ( $d=1$ ) is

 255 397 409 226**Question 4****1 pts**

From the multiple regression of  $y=\text{price}$  on  $x=\text{size}$  and  $d=\text{dummy for view}$ , the total width of a plug in predictive interval is

 51.8 62 35.2 246**Question 5****1 pts**

From the multiple regression of  $y=\text{price}$  on  $x=\text{size}$  and  $d=\text{dummy for view}$ ,

The lower end of the (approximate) 95% confidence for the coefficient of  $x=\text{size}$  is

**Question 6****1 pts**

From the multiple regression of  $y=\text{price}$  on  $x=\text{size}$  and  $d=\text{dummy for view}$ ,

if we test the null hypothesis that the true slope for  $d$  is zero vs the the alternative that it is not zero, then we reject at level .05

True

False

**Question 7****1 pts**

As a practical matter, there is evidence in the data to suggest that having a view has a positive impact on the price.

True

False

Not saved