Congratulations! You passed!
Grade received 87.50%
To pass 80% or higher
 Go to next item

1. Fill in the blank: _____ is a technique that estimates the linear relationship between one continuous dependent variable and two or more independent variables.   1 / 1 point

    ○ Singular curved regression

    ○ Singular linear regression

    ⦿ Multiple linear regression

    ○ Multiple curved regression

    ⊘ Correct
    Multiple linear regression is a technique that estimates the linear relationship between one continuous dependent variable and two or more independent variables. The multiple regression technique can yield highly interpretable and communicable results.

2. What are ways to ethically communicate multiple regression results as clearly as possible? Select all that apply.   0.5 / 1 point

    ☑ Interaction terms

    ⊘ Correct
    An interaction term allows data professionals to account for how two independent variables affect the Y variable together. Another way to ethically communicate results is one hot encoding.

    ☑ Ordinary least squares

    ⊗ This should not be selected
    Two ways to ethically communicate multiple regression results are one hot encoding and interaction terms.

    ☑ Confidence band

    ⊗ This should not be selected
    Two ways to ethically communicate multiple regression results are one hot encoding and interaction terms.

    ☑ One hot encoding

    ⊘ Correct
    One hot encoding allows data professionals to use categorical independent variables in the multiple linear regression. Another way to ethically communicate results is interaction terms.