#### QF624-2025-W5

Number of participants: 30



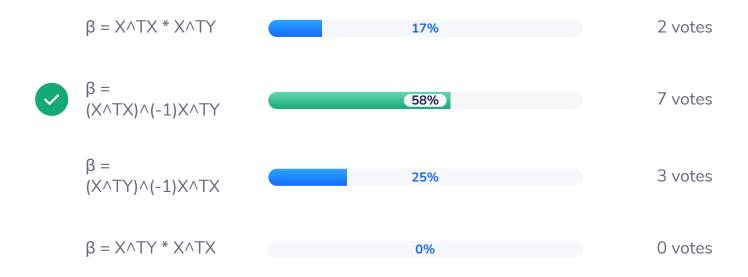
#### 1. Which option is FALSE about the linear regression model? f(x)=ax+b

**13 correct answers** out of 14 respondents



Which of the following represents the closed-form solution for the coefficients in a linear regression model?

**7 correct answers** out of 12 respondents



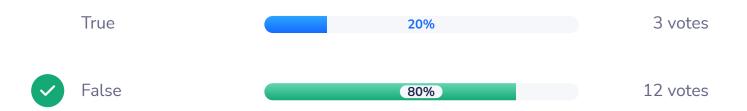
### Which option is FALSE about 3. Multiple Linear Regression (MLR) and R2?

**11 correct answers** out of 16 respondents



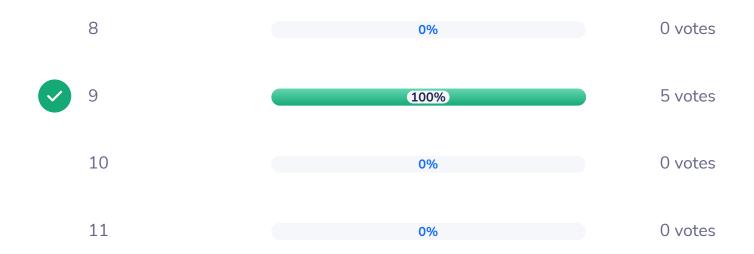
# A positive coefficient for an input 4. variable in MLR implies that y and f(x) are positively correlated.

**12 correct answers** out of 15 respondents



## If a categorical variable has 105. values, how many dummy variables shall be created in MLR?

#### **5 correct answers** out of 5 respondents



Which of the following statements best describes the purpose of 6. including an interaction term in a Multiple Linear Regression (MLR) model?

**9 correct answers** out of 12 respondents

