Congratulations! You passed!

Grade received 100%

Latest Submission Grade 100% **To pass** 80% or higher

Go to next item

1.	Fill in the blank: Regression models are groups of techniques that use data to estimate the relationships between a single dependent variable and one or more independent variables.	1/1 point
	O exploratory data	
	statistical	
	Ocoding	
	O application	
	⊘ Correct	
2.	Simple linear regression finds the given a particular value of X.	1 / 1 point
	O Yintercept	
	• mean of Y	
	O median of Y	
	O regression coefficients	
	⊘ Correct	
3.	A data professional closely examines their data to choose a model that is appropriate to the problem they want to solve. What PACE stage are they working in?	1/1 point
	○ Construct	
	O Execute	
	O Plan	
	Analyze	
	⊘ Correct	
4		
4.	A data professional is estimating the relationship between a continuous dependent variable and one or more independent variables. What technique are they using?	1/1 point
	Linear regression	
	O Complex regression	
	O Logistic regression	
	O Ethical regression	
	⊘ Correct	
5.	Which of the following statements accurately describe dependent and independent variables? Select all that apply.	1/1 point
	A dependent variable is also called the explanatory or predictor variable.	
	An independent variable is typically represented by X.	
	⊘ Correct	
	An independent variable is also called the response or outcome variable.	
	✓ A dependent variable is typically represented by Y.	
	⊘ Correct	
	Confect	

6.	What is a relationship between two variables that tend to increase or decrease together?	1/1 point
	O Negative causation	
	O Negative correlation	
	O Positive causation	
	Positive correlation	
	⊘ Correct	
7.	A data professional reviews existing samples of data for both the dependent and independent variables. What is the term for this data sample?	1/1 point
	O Parameters	
	Observed values	
	O Link functions	
	O Intercepts	
	⊘ Correct	
8.	A roadside assistance company wants to identify the probability of its customers renewing their annual membership. The analytics team looks into this topic by modeling a categorical variable based on one or more independent variables. What technique do they use?	1 / 1 point
	Logistic regression	
	O Linear regression	
	○ Slope regression	
	O Coefficient regression	
	⊘ Correct	
9.	What is a nonlinear function that connects the dependent variable to the independent variables mathematically?	1 / 1 point
	O Coefficient function	
	O Link regression	
	Link function	
	O Coefficient regression	
	⊘ Correct	