

## Congratulations! You passed!

**Grade received** 100% **To pass** 80% or higher

Go to next item

1.	What technique estimates the linear relationship between a continuous dependent variable and one or more independent variables?	1/1 point
	Model validation	
	O Causation	
2.	O Intercept	
	Linear regression	
	Correct Linear regression estimates the linear relationship between a continuous dependent variable and one or more independent variables.	
2.	Which of the following statements accurately describe dependent and independent variables? Select all that apply.	1 / 1 point
	The dependent variable tends to vary based on the values of independent variables.	
	Correct The dependent variable is the variable the given model estimates. It tends to vary based on the values of independent variables. Independent variables are also referred to as explanatory or predictor variables.	
	Independent variables are also referred to as explanatory or predictor variables.	
	Correct The dependent variable is the variable the given model estimates. It tends to vary based on the values of independent variables. Independent variables are also referred to as explanatory or predictor variables.	
	☐ The independent variable tends to vary based on the values of dependent variables.	
	The dependent variable is the variable the given model estimates.	
	Correct The dependent variable is the variable the given model estimates. It tends to vary based on the values of independent variables. Independent variables are also referred to as explanatory or predictor variables.	
3.	What term describes an inverse relationship between two variables?	1/1 point
	O Positive correlation	
	○ Slope	
	Negative correlation	
	O Intercept	
	Correct With negative correlation, when one variable increases, the other variable tends to decrease. The reverse is also true.	
4.	Fill in the blank: The goal of regression analysis is to use math to define the between the sample X's and Y's in order to understand how the variables interact.	1/1 point
	Oindependence	
	O value	
	O model	
	<ul><li>relationship</li></ul>	
	<ul> <li>Correct         The goal of regression analysis is to define a relationship mathematically between the sample X's and Y's in order to understand how the variables interact.     </li> </ul>	