Try again once you are ready Grade received 75% To pass 80% or higher Try again

1.	Which statistical technique better isolates the relationship between a single categorical variable of interest and the Y variable?	1 / 1 point
	Multivariate analysis of covariance (MANCOVA) One-way ANOVA Analysis of covariance (ANCOVA) Multivariate analysis of variance (MANOVA)	
	Correct Analysis of covariance (ANCOVA) better isolates the relationship between a single categorical variable of interest and the Y variable. By taking the covariate into account, the ANCOVA technique allows data professionals to draw more accurate conclusions about the relationships among variables.	
2.	Which of the following statements accurately describe ANCOVA and linear regression? Select all that apply.	0.25 / 1 point
	Linear regression helps predict the Y variable for unrecognized data.	
	Linear regression focuses on a continuous Y variable	
	This should not be selected ANCOVA includes covariates to gain a more clear understanding of the categorical variable. Linear regression helps predict the Y variable for unrecognized data.	
	ANCOVA allows for continuous and categorical independent variables	
	This should not be selected ANCOVA includes covariates to gain a more clear understanding of the categorical variable. Linear regression helps predict the Y variable for unrecognized data.	
	ANCOVA includes covariates to gain a more clear understanding of the categorical variable.	
	Correct ANCOVA includes covariates to gain a more clear understanding of the categorical variable. Linear regression helps predict the Y variable for unrecognized data.	
3.	What is the key difference between MANCOVA and MANOVA?	1 / 1 point
	MANCOVA includes a null hypothesis.	
	MANCOVA controls for covariates.	

$\bigcirc$	MANOVA includes a categorical variable.
_	$\label{eq:MANOVA} \ \text{MANOVA has two or more continuous variables}.$

The key difference between MANCOVA and MANOVA is that MANCOVA controls for covariates. If a data professional is only interested in one categorical variable and they want to control for another variable, they can use MANCOVA.