1.	What is the area surrounding a regression line, which describes the uncertainty around the predicted outcome at every value of X?	0 / 1 point
	Confidence interval	
	R squared	
	Ordinary least squares	
	Confidence band	
	New Incorrect The confidence band is the area surrounding a regression line, which describes the uncertainty around the predicted outcome at every value of X. The confidence band reveals the confidence interval for each point on a regression line. A confidence interval is a range of values that describes the uncertainty surrounding an estimate.	
2.	Fill in the blank: R squared measures the in the dependent variable, Y, that is explained by the independent variable, X.	1 / 1 point
	proportion of accuracy	
	coefficient of accuracy	
	coefficient of variation	
	proportion of variation	
	Correct R squared measures the proportion of variation in the dependent variable, Y, that is explained by the independent variable, X. It is calculated by subtracting the sum of squared residuals (explained variance) divided by the total variance from 1.	
3.	Which linear regression evaluation metric is sensitive to large errors?	1 / 1 point
	Adjusted R squared	
	Mean absolute error (MAE)	
	The coefficient of determination	
	Mean squared error (MSE)	
	 Correct Mean squared error (MSE) is sensitive to large errors. The MSE is the average of the squared difference between the predicted and actual values. 	