Grade received 100% To pass 80% or higher

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1.	Fill in the blank: The best fit line is the line that fits the data best by minimizing some	1/1 point
	regression function residual values	
	O predicted values	
	loss function	
	Correct The best fit line is the line that fits the data best by minimizing some loss function. To find the best fit line, it's necessary to measure error, which is the difference between the observed values and the predicted values generated by the model.	
2.	What is the sum of the squared differences between each observed value and the associated predicted value?	1/1 point
	Sum of squared residuals	
	Residual least squares	
	Ordinary least squares	
	O Sum of squared predicted values	
	© Correct  The sum of squared residuals is the sum of the squared differences between each observed value and the associated predicted value. Data professionals use this sum to capture a summary of total error in the model.	
3.	What does the circumflex symbol, or "hat" (^), indicate when used over a coefficient?	1/1 point
	The coefficient is an "actual" value (not predicted)	
	The coefficient is a population parameter value	
	○ The coefficient is a residual	
	The coefficient is an estimate or predicted value	
	⊙ Correct	