## Congratulations! You passed!

Grade received 100% To pass 80% or higher

1.	Fill in the blank: Adjusted R squared is a variation of the R squared regression evaluation metric thatunnecessary explanatory variables.	1/1 point
	O rewards	
	eliminates  adds	
	penalizes	
	<ul> <li>Correct         Adjusted R squared is a variation of the R squared regression evaluation metric that penalizes     </li> </ul>	
	unnecessary explanatory variables. Similar to R squared, adjusted R squared varies from less than 0 to 1.	
2.	Which of the following statements accurately describe the differences between adjusted R squared and R squared? Select all that apply.	1/1 point
	R squared is used to compare models of varying complexity.	
	Adjusted R squared is used to compare models of varying complexity.	
	<ul> <li>Correct         Adjusted R squared is used to compare models of varying complexity. R squared is more easily         interpretable.</li> </ul>	
	R squared is more easily interpretable.	
	Correct     R squared determines how much variation in the dependent variable is explained by the model. Another difference is adjusted R squared is used to compare models of varying complexity.	
	Adjusted R squared is more easily interpretable.	
3.	What variable selection process begins with the full model that has all possible independent variables?	1/1 point
	O Forward selection	
	© Extra-sum-of Squares	
	Backward elimination     F-test	
	© Correct	
	The backward elimination variable section process begins with the full model.	
4.	Which of the following are regularized regression techniques? Select all that apply.	1/1 point
	✓ Elastic-net regression	
	<ul> <li>Correct         Lasso regression, ridge regression, and elastic-net regression are regularized regression techniques.     </li> </ul>	
	✓ Ridge regression	
	⊙ Correct Lasso regression, ridge regression, and elastic-net regression are regularized regression techniques.	
	☐ F-test regression	
	✓ Lasso regression	
	⊘ Correct     Lasso regression, ridge regression, and elastic-net regression are regularized regression techniques.	