

Ridge & Lasso Questions (Make sure you watch the videos 1st)

1. The lambda parameter can be used to ____.
- A. Move from L2 regularization to L1 regularization
 - B. Alter the amount of the error from a complex model

Your Answer: _ _ _ B _ _ _ _ _

2. Regularization can be effective when trying to eliminate or reduce ____ .
- A. Underfitting
 - B. Overfitting

Your Answer: _ _ B _ _ _ _ _

3. Which of the following should also be considered when deciding between a simpler or a more complex model
- A. Sensitivity and importance of the accuracy of the result
 - B. Cost of collecting data
 - C. Linear regression vs. Classification

Your Answer: _ A _ _ _ _ _

4. Which of the following statements about the ridge regression is false?
- A. Ridge regression is used to prevent overfitting
 - B. Ridge regression is used for regularization
 - C. Ridge regression is a feature selection algorithm
 - D. Ridge regression can prevent multicollinearity issues

Your Answer: _ _ _ C _ _ _ _ _

5. Which of the following statements about the lasso regression is false?

- A. Lasso regression is used to prevent overfitting
- B. Lasso regression is used for regularization
- C. Lasso regression is a feature selection algorithm
- D. Lasso regression can be used for classification

Your Answer: D