

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

1. The lambda parameter can be used to \_\_\_\_.

- Move from L2 regularization to L1 regularization
- Alter the amount of the error from a complex model

*Your Answer:* \_\_\_\_ *B* \_\_\_\_

2. Regularization can be effective when trying to eliminate or reduce \_\_\_\_ .

- Underfitting
- Overfitting

*Your Answer:* \_\_\_\_ *B* \_\_\_\_

3. Which of the following should also be considered when deciding between a simpler or a more complex model

- Sensitivity and importance of the accuracy of the result
- Cost of collecting data
- Linear regression vs. Classification

*Your Answer:* \_\_\_\_ *B* \_\_\_\_

4. Which of the following statements about the ridge regression is false?

- Ridge regression is used to prevent overfitting

- Ridge regression is used for regularization
- Ridge regression is a feature selection algorithm
- Ridge regression can prevent multicollinearity issues

*Your Answer:* \_\_\_\_\_ *C* \_\_\_\_\_

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

- Lasso regression is used to prevent overfitting
- Lasso regression is used for regularization
- Lasso regression is a feature selection algorithm
- Lasso regression can be used for classification

*Your Answer:* \_\_\_\_\_ *D* \_\_\_\_\_