

CS381 Data Analytic Regression Practise Quizz

Question 1: Which of the following statements related to Linear and Logistic regression are true?

1. To fit a model, we try to find what are the regression coefficient by maximizing the corresponding cost function.
2. The mean square error function can be used as the cost function for Linear regression.
3. Odd is the probability that a certain event happens

- A. Only 1
- B. Ony 2
- C. 1 and 2
- D. 2 and 3
- E. All of the above

Question 2: Which of the following statements related to Linear and Logistic regression are true?

1. Gradient descent is a method for solving optimization problems.
2. Gradient descent will always find the global minimum.
3. To fit a logistic model, one can use gradient descent method to find the best fitted parameters

- A. Only 1
- B. Only 2
- C. 1 and 2
- D. 1 and 3
- E. All of the above

Question 3: Fill in the blank

The range of a Sigmoid function is between _____ and _____.