

CS381 Data Analytic Regression Practice Quizz

Question 1: Which of the following regarding Support Vector Machine (SVM) and Logistic Regression are true?

1. SVM finds its optimal model parameters by maximizing the Likelihood functions (i.e. the probability of the training data)
2. Logistic Regression finds its optimal model parameters by using the maximizing the margin between the predictions and the observed data.
3. The difference between Soft margin and Hard margin is that soft margin allows some mis-classification some data points.

- A. Only 1
- B. Only 2
- C. Only 3
- D. 1 and 2
- E. 2 and 3

Answers:

Question 2: What are support vectors?

Answer:

Question 3: What is the margin in a SVM?

Answer: