reviewer4@nptel.iitm.ac.in

NPTEL » **Practitioners Course In Descriptive,Predictive And Prescriptive Analytics**   Announcements   **About the Course**   Ask a Question   Progress   Mentor

Unit 10 - Week 8

Course outline

How to access the portal

Week 0

Week 1

Week 2

Week 3

Week 4

Week 5

Week 6

Week 7

Week 8

● Lecture 26: Machine Learning Part 3

● Lecture 27: Machine Learning Part 4

● Lecture 28: Machine Learning Part 5

● R codes

○ **Quiz : Assignment - 8**

○ Solutions - Assignment 8

○ Feedback form for week 8

Assignment - 8

The due date for submitting this assignment has passed.
As per our records you have not submitted this assignment.

Due on 2019-10-23, 23:59 IST.

1) With a decrease in the flexibility of the model, the interpretability of the model will _____   **2 points**

○ increase
○ decrease
○ remains the same

No, the answer is incorrect.
Score: 0

Accepted Answers:
increase

2) In the process of in-sample validation, the test dataset is a part of train dataset.   **2 points**

○ True
○ False

No, the answer is incorrect.
Score: 0

Accepted Answers:
True

3) Choose the correct statement from below.   **2 points**

○ In the k-Nearest neighbor algorithm, the variance will increase with a high value of the parameter 'k'.
○ In the k-Nearest neighbor algorithm, the bias will increase with a high value of the parameter 'k'.
○ In the k-Nearest neighbor algorithm, the bias will remain unchanged with a high value of the parameter 'k'.

No, the answer is incorrect.
Score: 0

Accepted Answers:
In the k-Nearest neighbor algorithm, the bias will increase with a high value of the parameter 'k'.

4) Given $P(A)= 0.3$, $P(B)=0.2$ and $P(B/A) = 0.4$. Evaluate $P(A/B)$.   **2 points**

○ 0.9
○ 0.7
○ 0.6
○ 0.25

No, the answer is incorrect.
Score: 0

Accepted Answers:
0.6

5) The Naive Bayes algorithm is useful for online machine learning applications.   **2 points**

○ True
○ False

No, the answer is incorrect.
Score: 0

Accepted Answers:
True