Quiz-2(Regular)

Due Feb 6 at 21:30   **Points** 8   **Questions** 8

Available Feb 6 at 21:00 - Feb 6 at 21:30 30 minutes   **Time Limit** 30 Minutes

Instructions

Time limit = 30 minutes

Total Marks = 8 (8 Questions of 1 mark each)

Topics : Naïve Bayes, Logistic Regression and Decision Trees

No negative marking will be given for wrong answers

This quiz was locked Feb 6 at 21:30.

Attempt History

	Attempt	Time	Score
LATEST	[Attempt 1](#)	13 minutes	8 out of 8

Score for this quiz: **8** out of 8

Submitted Feb 6 at 21:13

This attempt took 13 minutes.

Question 1   1 / 1 pts

For Normally distributed data consisting heights of kindergarten students, the mean height is 50cm and 5cm is the standard deviation. Which of the following is **true**:

Correct!

◉ All of the mentioned

◯ 68% kids are between 45cm to 55cm

○ 95% kids are between 40cm to 60 cm

○ 99.7% kids are between 35cm to 65cm

Question 2   1 / 1 pts

Consider Amazon.in sells shirts that are either small, medium, or large. Each size comes in either yellow, red, blue or green. If a person selects from these choices at random, what is the probability that they will select a large green shirt?

Correct!

⦿ 1/12

○ 1/9

○ 2/3

○ can't be calculated

Question 3   1 / 1 pts

Naïve Bayes classifier handles

Correct!

⦿ continuous and discrete data

○ Only continuous data

○ only discrete data

○ only ordinal data

Question 4   1 / 1 pts

Which evaluation metric can not be applied in case of logistic regression output to compare with target

Correct!

⦿ Mean-Squared-Error

○ Logloss

○ Accuracy

○ AUC-ROC

Question 5   1 / 1 pts

Logistic Regression residuals have to be normally distributed

Correct!

⦿ False

○ True

○

○

Question 6   1 / 1 pts

Decision Trees handle continuous features by converting these continuous features to a **threshold-based Boolean** feature.

Correct!

⦿ True

○ False

○

○

Question 7
1 / 1 pts

Decision Trees are not sensitive to outliers because

Correct!

⦿ Outliers don't reduce Residual Sum of Squares(RSS)

○ None

○ Outliers increase Residual Sum of Squares(RSS)

○ Outliers decrease Residual Sum of Squares(RSS)

Question 8
1 / 1 pts

High entropy means that the partitions in classification are:

Correct!

⦿ not pure

○ pure

○

○

Quiz Score: **8** out of 8