Thank you. Your test submitted.

You have cleared this assessment.

Obtained Percentage	Obtained Marks
60 %	6 / 10

Best Attempt Score:60 % on 12-03-2025

Which of the following statements are true with respect to kNN?

☑ Euclidean distance might be influenced by th

☐ Euclidean distance might not be influenced b

☑ Normalization is an essential step

☐ Normalization is not an essential step

Warning

This operation is disabled.

Which of the following statements is true with respect to k-fold cross validation?

○ It randomly divides the training data into k p

○ It randomly divides the training data into k p

◉ It randomly divides the entire dataset into k

○ It randomly divides the entire dataset into k

Warning

This operation is disabled.

Which of the following statements are true with respect to kNN?

- ☑ It uses all the training data for classification
- ☐ It creates a model for classification
- ☐ It can work with the missing values
- ☐ It is not affected by the outliers

Warning

This operati

Choosing value of k as 9 in kNN provides the (train_accuracy, test_accuracy) as (0.91, 0.90).

And when k takes value of 13, the (train_accuracy, test_accuracy) is (0.97, 0.80).

Which value of should be finalized in this scenario?

◉ 9

◯ 13

Warning

This operation is disabled.

Which of the distance computation method can be used for categorical variables?

◉ Hamming distance

○ Euclidean distance

○ Both a and b

○ neither a nor b

Warning

This operation is disabled

Which of the following statements is/are true with respect to kNN?

◯ Distance computation is not an essential ste

◯ Normalization is not an essential step

◯ Value of k should always be odd

⦿ None of these

Warning

This operation

Which of the following methods from Scikit Library modules, helps to find the best value for k in kNN algorithm using cross validation?

○ kNN

○ KNeighborsClassifier

◉ GridSearchCV

○ all the above

Warning

This operation is disabled.

Which of the following statements are true?

- ☑ For binary classification k should be an odd
- ☐ For binary classification k should be an even
- ☐ For multiclass classification assign the class
- ☑ For multiclass classification assign the class t

Warning

This operation is disabled.

Which of the following statements are true with respect to cross validation?

☐ Cross validation helps to validate the classifie

☑ Cross validation helps in find the generalizati

☑ Cross validation helps to find the best hyperp

Warning

This operation is disabled.

Which of the following statements are true with respect to K-fold cross validation?

☐ Value of k in kNN should be same as the valu

☑ K in K fold cross validation represents the nu   data is divided

☐ All the groups in the K fold cross validation h

☐ None of these

Warning

This operation is disabled.