

Module 1 Quiz

LATEST SUBMISSION GRADE

100%

1. Select the option that correctly completes the sentence:

1 / 1 point

Training a model using labeled data and using this model to predict the labels for new data is known as _____.

✓ Correct

2. Select the option that correctly completes the sentence:

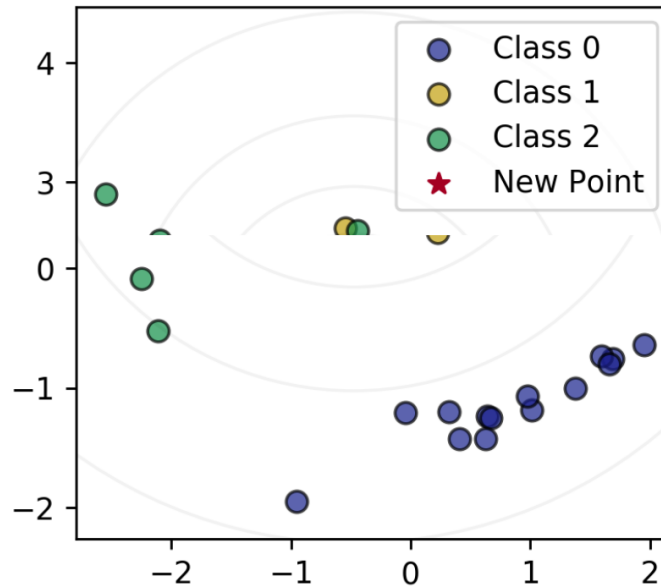
1 / 1 point

Modeling the features of an unlabeled dataset to find hidden structure is known as _____.

✓ Correct

5. Using the data for classes 0, 1, and 2 plotted below, what class would a KNeighborsClassifier classify the new point as for $k = 1$ and $k = 3$?

1 / 1 point



7. Why is it important to examine your dataset as a first step in applying machine learning? (Select all that apply):

1 / 1 point

✓ Correct

8. The key purpose of splitting the dataset into training and test sets is:

1 / 1 point

✓ Correct

9. The purpose of setting the random_state parameter in train_test_split is: (Select all that apply)

1 / 1 point

✓ Correct

10. Given a dataset with 10,000 observations and 50 features plus one label, what would be the dimensions of X_{train} , y_{train} , X_{test} , and y_{test} ? Assume a train/test split of 75%/25%.

1 / 1 point

✓ Correct