Module 1 Quiz

Quiz, 10 questions

✔ ## Congratulations! You passed! | Next Item |

✔ 1 / 1
   point

1.

Select the option that correctly completes the sentence:

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

✔ 1 / 1
   point

2.

Select the option that correctly completes the sentence:

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

✔ 1 / 1
   point

3.

Select the option that correctly completes the sentence:

Training a model using categorically labelled data to predict labels for new data is known as _____.
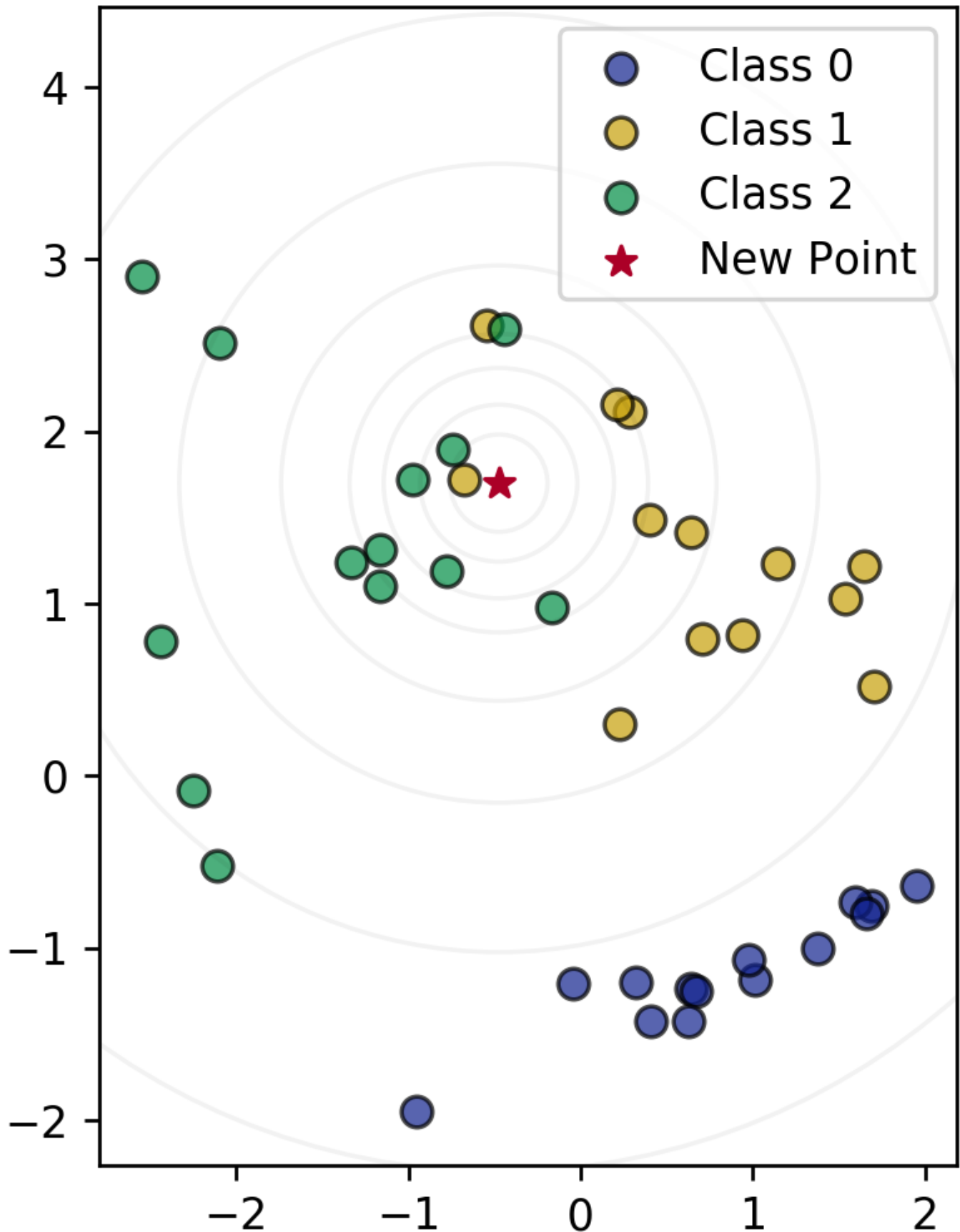
✔ 1 / 1
   point

4.

Select the option that correctly completes the sentence:

Training a model using labelled data where the labels are continuous quantities to predict labels for new data is
known as _____.

   1 / 1

Module 1 Quiz

point

Quiz, 10 questions

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?

Module 1 Quiz

Quiz, 10 questions 1 / 1
point

6.

Which of the following is true for the nearest neighbor classifier (Select all that apply):

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

8.

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

1 / 1
point

9.

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

1 / 1
point

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%.