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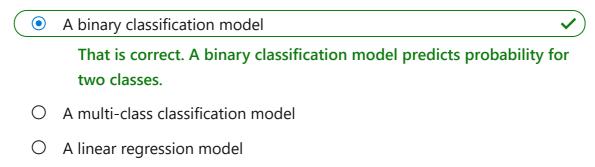


Knowledge check

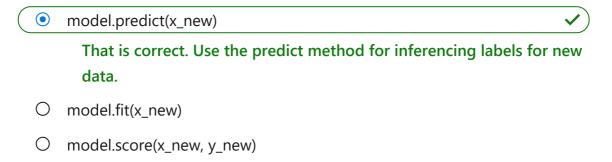
3 minutes

Answer the following questions to check your learning.

1. You plan to use scikit-learn to train a model that predicts credit default risk. The model must predict a value of 0 for loan applications that should be automatically approved, and 1 for applications where there is a risk of default that requires human consideration. What kind of model is required?



2. You have trained a classification model using the scikit-learn LogisticRegression class. You want to use the model to return labels for new data in the array x_new. Which code should you use?



3. You train a binary classification model using scikit-learn. When you evaluate it with test data, you determine that the model achieves an overall Recall metric of 0.81. What does this metric indicate?

The model correctly predicted 81% of the test cases
81% of the cases predicted as positive by the model were actually positive

The model correctly identified 81% of positive cases as positive

That is correct. Recall indicates the proportion of actual positive cases that the classifier correctly identified.

Next unit: Summary

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