Module 4 Quiz

Quiz, 10 questions

9/10 points (90%)

Congratulations! You passed!

Next Item

1 / 1 points

1.
Which of the following is an example of clustering?

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1 / 1 points

2.
Which of the following are advantages to using decision trees over other models? (Select all that apply)

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1 / 1 points

3.
What is the main reason that each tree of a random forest only looks at a random subset of the features when building each node?

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1 / 1 points

4.
Which of the following supervised machine learning methods are greatly affected by feature scaling? (Select all that apply)

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1 / 1 points

5.
Select which of the following statements are true.

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1 / 1 points

6.

Match each of the prediction probabilities decision boundaries visualized below with the model that created them.

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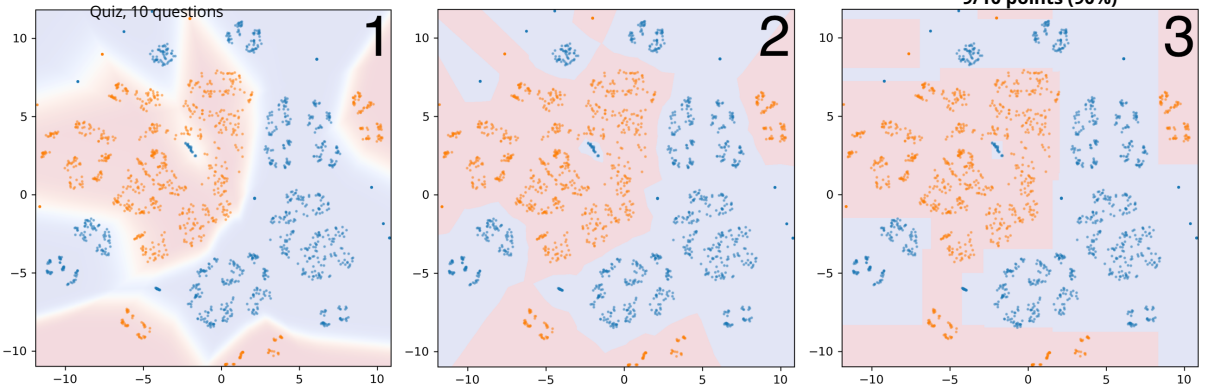
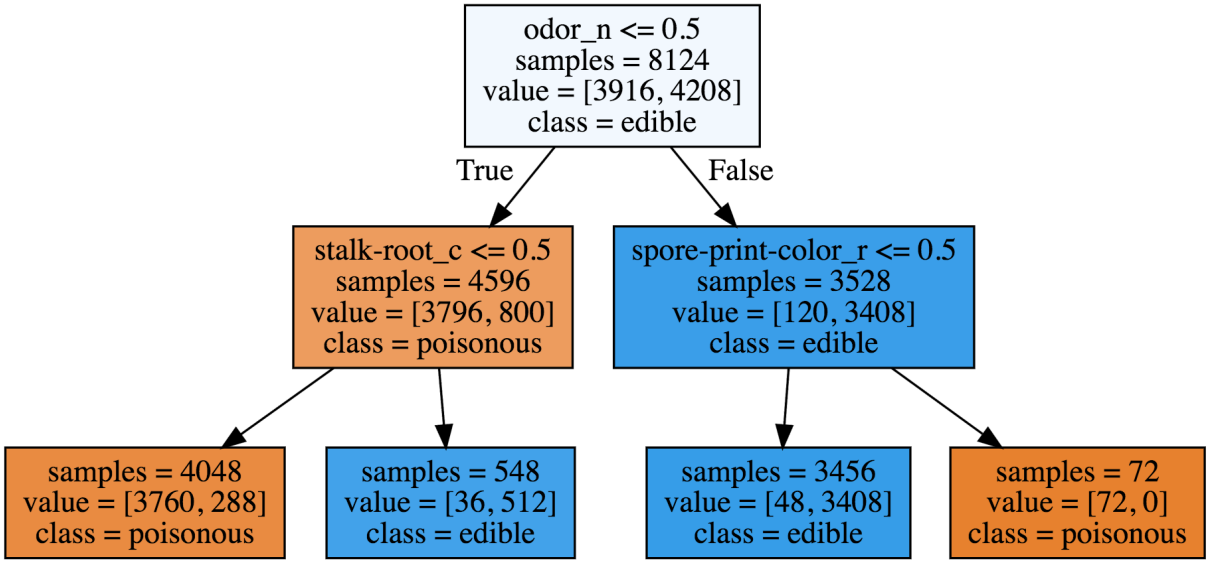


1 / 1 points

7.

A decision tree of depth 2 is visualized below. Using the `value` attribute of each leaf, find the accuracy score for the tree of depth 2 and the accuracy score for a tree of depth 1.



What is the improvement in accuracy between the model of depth 1 and the model of depth 2?

0 / 1 points

8.

For the autograded assignment in this module, you will create a classifier to predict whether a given blight ticket will be paid on time (See the module 4 assignment notebook for a more detailed description). Which of the following features should be removed from the training of the model to prevent data leakage? (Select all that apply)

1 / 1 points

9.

Which of the following might be good ways to help prevent a data leakage situation?