

Implementing binary decision trees

7 试题

1
point

1.

What was the feature that my_decision_tree first split on while making the prediction for test_data[0]?

- ☐ emp_length.4 years
- ☐ grade.A
- ☒ term. 36 months
- ☐ home_ownership.MORTGAGE

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2.

What was the first feature that lead to a right split of test_data[0]?

- ☐ emp_length.< 1 year
- ☐ emp_length.10+ years
- ☐ grade.B
- ☒ grade.D

1
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3.

What was the last feature split on before reaching a leaf node for test_data[0]?

- ☒ grade.D
 - ☐ grade.B
 - ☐ term. 36 months
 - ☐ grade.A
-

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4.

Rounded to 2nd decimal point (e.g. 0.76), what is the classification error of my_decision_tree on the test_data?

0.38

1
point

5.

What is the feature that is used for the split at the root node?

- ☐ grade.A
 - ☒ term. 36 months
 - ☐ term. 60 months
 - ☐ home_ownership.OWN
-

1
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6.

What is the path of the first 3 feature splits considered along the left-most branch of my_decision_tree?

- ☒ term. 36 months, grade.A, grade.B
- ☐ term. 36 months, grade.A, emp_length.4 years
- ☐ term. 36 months, grade.A, no third feature because second split resulted in leaf

1
point

7.

What is the path of the first 3 feature splits considered along the right-most branch of my_decision_tree?

- ☐ term. 36 months, grade.D, grade.B
- ☐ term. 36 months, grade.D, home_ownership.OWN
- ☒ term. 36 months, grade.D, no third feature because second split resulted in leaf



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