


Module 4 Graded Quiz: Decision Trees

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Graded Assignment • 30 min

 **Due** Oct 3, 11:59 PM +07

Your grade: 90%

Your latest: 90% • Your highest: 90%

To pass you need at least 70%. We keep your highest score.

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1. These are all characteristics of decision trees, EXCEPT:

1 / 1 point

- ☐ They segment data based on features to predict results
- ☒ They have well rounded decision boundaries
- ☐ They can be used for either classification or regression
- ☐ They split nodes into leaves

 **Correct**

Correct! For more information please review the *Introduction to Decision Trees* lesson.

2. Decision trees used as classifiers compute the value assigned to a leaf by calculating the ratio: number of observations of one class divided by the number of observations in that leaf E.g. number of customers that are younger than 50 years old divided by the total number of customers.

1 / 1 point

How are leaf values calculated for regression decision trees?

- ☐ weighted average value of the predicted variable
- ☐ mode value of the predicted variable
- ☒ average value of the predicted variable
- ☐ median value of the predicted variable

 **Correct**

Correct! For more information please review the *Decision Tree Split* lesson.