

- Welcome
- Introduction: Machine Learning concepts
- Module 1. The Predictive Modeling Pipeline
- Module 2.
 Selecting the best model
- Module 3.Hyperparameter tuning
- Module 4.Linear Models
- Module 5.Decision tree models

Module overview

Intuitions on treebased models Quiz M5

Decision tree in classification

Quiz M5

Decision tree in regression

☑ Quiz M5.03

Note: For each question **make sure you select all of the correct options**— there may be more than one! Don't forget to use the sandbox notebook if you need.

Question 1 (1/1 point)

When fitting a decision tree regressor in scikit-learn, the predicted values on a leaf corresponds to:

- O a) the median of the training samples at this node
- b) the mean of the training samples at this node
- \circ c) the most frequent value of the training samples at this node

You have used 1 of 1 submissions

Question 2 (1/1 point)

Decision tree regressors can predict:

- a) any values, including values larger or smaller than those observed in y_train
- b) only values in the range from [np.min(y_train)] tonp.max(y_train)

You have used 1 of 1 submissions

ot aecision tree

Quiz M5

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Wrap-up quiz

Wrap-up quiz

Main take-away

- Module 6.Ensemble of models
- Module 7.Evaluating model performance
- ▶ Conclusion
- Appendix

O a) a piecewise-linear function

b) a piecewise-constant function

O c) a piecewise-cubic function

EXPLANATION

solution: b)

When predicting with a decision tree regressor, we will predict the mean of the training samples at a leaf. This value is indeed a constant.

You have used 1 of 1 submissions

YOUR EXPERIENCE

According to you, this whole 'Decision tree in regression' lesson was:

- Too easy, I got bored
- Adapted to my skills
- O Difficult but I was able to follow
- Too difficult

Submit

To follow this lesson, I spent:

less than 30 minutes



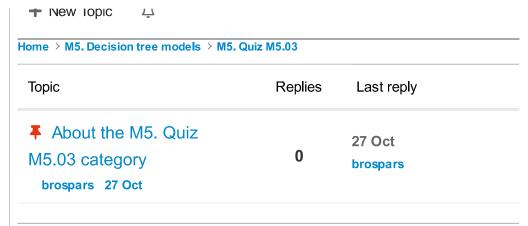
- O 2 to 4 hours
- more than 4 hours
- O I don't know

Submit

FORUM (EXTERNAL RESOURCE)







There are no more M5. Quiz M5.03 topics. Ready to start a new conversation?

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