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☑ Quiz M5.04

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)

If a decision tree is overfitting, you need to increase the maximum depth.

○ a) True

◉ b) False ✔

EXPLANATION

Solution: b)

Deeper is a tree, more it will focus on separating noisy samples. Thus, in case of overfitting, one needs to reduce the depth of the tree or stop the tree to grow.

You have used 1 of 1 submissions

Question 2 (1/1 point)

How should you choose the maximum depth of a decision tree?

☑ a) choosing the depth maximizing the score on a validation set with a cross-validation, with a grid-search for instance

☐ c) choosing the depth maximizing the score on the test set

✔

Select all answers that apply

You have used 1 of 2 submissions

YOUR EXPERIENCE
According to you, this whole 'Hyperparameters of decision tree' lesson was:

○ **Too easy, I got bored**

○ **Adapted to my skills**

○ **Difficult but I was able to follow**

○ **Too difficult**

Submit

To follow this lesson, I spent:

○ **less than 30 minutes**

○ **30 min to 1 hour**

○ **1 to 2 hours**

○ **2 to 4 hours**

○ **more than 4 hours**

○ **I don't know**

Submit

FORUM (EXTERNAL RESOURCE)

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