Graded Quiz • 30 min

## Congratulations! You passed!

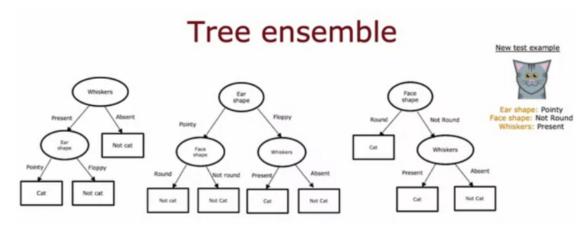
Grade received 100% To pass 80% or higher

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## Practice quiz: Tree ensembles

Latest Submission Grade 100%

1. 1/1 point



For the random forest, how do you build each individual tree so that they are not all identical to each other?

- Train the algorithm multiple times on the same training set. This will naturally result in different trees.
- O Sample the training data without replacement
- Sample the training data with replacement
- O If you are training B trees, train each one on 1/B of the training set, so each tree is trained on a distinct set of examples.

Correct. You can generate a training set that is unique for each individual tree by sampling the training data with replacement.

1/1 point

What does sampling with replacement refer to?

O It refers to a process of making an identical copy of the training set.

It refers to using a new sample of data that we use to permanently overwrite (that is, to replace) the original data.

O Drawing a sequence of examples where, when picking the next example, first remove all previously drawn examples from the set we are picking from.

Drawing a sequence of examples where, when picking the next example, first replacing all previously drawn examples into the set we are picking from.

**⊘** Correct

Yes!

Correct Yes!

3.