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## Practice quiz: Tree ensembles

Graded Assignment • 30 min



English



Due Nov 10, 11:59 PM WIB



Menu

**Your grade: 100%**

Graded Assignment

Your latest: 100% Your highest: 100%

To pass you need at least 80%. We keep your highest score.

# Practice quiz: Tree ensembles

Next item →

coach



Ready to review what you've learned before starting the assignment? I'm here to help.

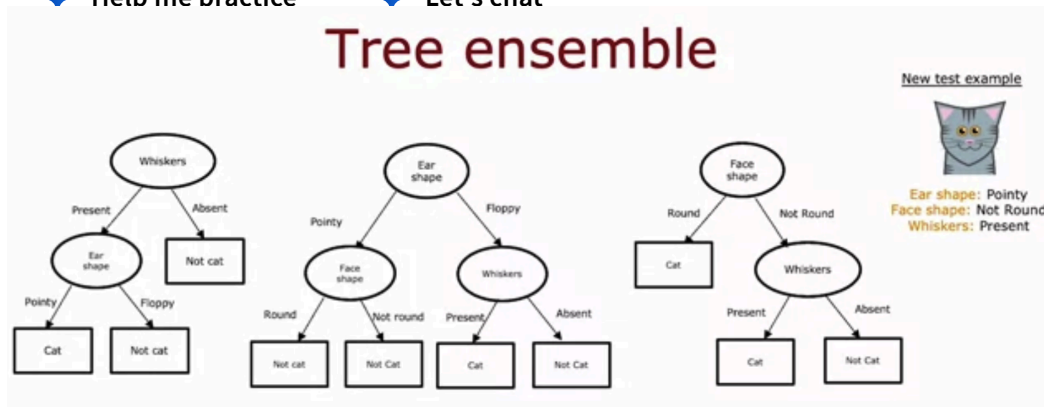
1 / 1 point



Help me practice



Let's chat



Retry

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

**Your grade**
☒ To sample the training data with replacement.
**100%**
☐ To run the algorithm multiple times on the same training set. This will naturally result in different trees.
**View submission****See feedback**
☒ Sample the training data with replacement and select a random subset of features to build each tree

☐ 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.


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**Correct**

Correct. You can generate a training set that is unique for each individual tree by sampling the training data with replacement. The random forest algorithm further avoids identical trees by randomly selecting a subset of features when building the tree ensemble.