

**Boosting and Stacking Labs**

Practice Assignment • 5 min

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To pass you need at least 50%. We keep your highest score.

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1. Usually the first step to fit a gradient boosting classifier model using scikit learn is to:

1 / 1 point

- ☐ import classifier ensemble from the sklearn.GradientBoosting module  
e.g. from sklearn.gradientboosting import ClassifierEnsemble
- ☐ import gradient boosting from the sklearn.classifierensemble module  
e.g. from sklearn.classifierensemble import GradientBoosting
- ☒ import gradient boosting classifier from the sklearn.ensemble module  
e.g. from sklearn.ensemble import GradientBoostingClassifier

Correct! This is the correct way to import GradientBoostingClassifier! You can find more information on the sklearn documentation or in the Boosting Jupyter Notebook demonstrations.

- ☐ import classifier from the sklearn.gradientboosting module  
e.g. from sklearn.gradientboosting import Classifier

2. (True/False) If you were to combine several logistic regressions using a voting ensemble, you should use a Voting Regressor.

1 / 1 point

- ☐ True
- ☒ False

Correct! In general, logistic regressions are used as classifiers. A Voting classifier is the type of ensemble that you would use to combine several classifiers.

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