



Exploring Ensemble Methods



10/10 points earned (100%)

Quiz passed!

[Continue Course \(/learn/ml-classification/lecture/hvl3Z/the-boosting-theorem\)](/learn/ml-classification/lecture/hvl3Z/the-boosting-theorem)

[Back to Week 5 \(/learn/ml-classification/home/week/5\)](/learn/ml-classification/home/week/5)



1 / 1
points

1.

Are you using GraphLab Create? Please make sure that

1. You are using version 1.8.3 of GraphLab Create. Verify the version of GraphLab Create by running

```
graphlab.version
```

inside the notebook. If your GraphLab version is incorrect, see this post (<https://www.coursera.org/learn/ml-classification/supplement/LgZ3l/installing-correct-version-of-graphlab-create>) to install version 1.8.3. **This assignment is not guaranteed to work with other versions of GraphLab Create.**

2. You are using the IPython notebook named module-8-boosting-assignment-1-blank.ipynb obtained from the associated reading.

This question is ungraded. Check one of the three options to confirm.



1 / 1
points

2.

What percentage of the predictions on sample_validation_data did model_5 get correct?



1 / 1
points

3.

According to **model_5**, which loan is the least likely to be a safe loan?



1 / 1
points

4. What is the number of false positives on the validation data?



1 / 1
points

5.
Using the same costs of the false positives and false negatives, what is the cost of the mistakes made by the boosted tree model (model_5) as evaluated on the validation_set?



1 / 1
points

6.
What grades are the top 5 loans?



1 / 1
points

7.
Which model has the best accuracy on the validation_data?



1 / 1
points

8.

Is it always true that the model with the most trees will perform best on the test/validation set?



1 / 1
points

9.

Does the training error reduce as the number of trees increases?



1 / 1
points

10.

Is it always true that the test/validation error will reduce as the number of trees increases?

