Congratulations! You passed!
TO PASS 80% or higher

Keep Learning

GRADE
100%

Ensembling

TOTAL POINTS 4

1. What is the purpose of ensembling? **1 / 1 point**

- ○ To make your solution look mighty
- ◉ To compensate errors of one model by other models
- ○ To learn about overfitting by trial-and-error

Correct
Correct! If models make mistakes on different test samples, ensemble will have higher overall quality

2. Does ensembling always lead to a better quality? **1 / 1 point**

- ○ Yes, always
- ○ No, almost never
- ◉ No, but quite often

Correct
Correct! This is why almost every winning solution uses ensembling

3. Which of the following machine learning techniques can potentially be the best? **1 / 1 point**

- ○ Bagging of decision trees with max_depth=100
- ○ Linear regression
- ○ Gradient boosting of k-NN models
- ◉ Stacking of diversified models

Correct
Yes, potentially stacking is the most powerful technique

4. Which class of models can be used as a base model in gradient boosting? **1 / 1 point**

- ☑ Decision Tree

Correct
Of course, for example, GBDT boosts over decision trees.

- ☑ Linear model

Correct
Of course, for example, Xgboost contains implementation of boosting over logistic regressions.

- ☑ Neural Net

Correct
Of course, it is possible, but not widely used. For example, you can use AdaBoost to do this.