Ensembling

Practice Quiz, 4 questions

Congratulations! You passed!

Next Item

1 / 1 point

1.
What is the purpose of ensembling?

- To make your solution look mighty
- To compensate errors of one model by other models

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

- To learn about overfitting by trial-and-error

1 / 1 point

2.
Does ensembling always lead to a better quality?

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

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

1 / 1 point

3.

Which of the following machine learning techniques can potentially be the best?

- [x] Stacking of diversified models

Correct

Yes, potentially stacking is the most powerful technique

- [ ] Gradient boosting of k-NN models
- [ ] Bagging of decision trees with max_depth=100
- [ ] Linear regression

1 / 1 point

4.

Which class of models can be used as a base model in gradient boosting?

- [x] Linear model

Correct

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

- [x] Decision Tree

Correct

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

- [x] Neural Net

Correct

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

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