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Ensembling

Practice Quiz - 18 min

Hyperparameter tuning

Tips and tricks

Advanced features II

Advanced features II programming assignment

Ensembling

Video: Introduction into ensemble methods 6 min

Video: Bagging 9 min

Video: Boosting 10 min

Video: Stacking 16 min

Video: StockNet 14 min

Video: Ensembling Tips and Tricks 14 min

Reading: Validation schemes for individual models 10 min

Readbook: Ensembling implementation notebook

Programming Assignment: Ensembling implementation 2h

Practice Quiz: Ensembling 4 questions

Quiz: Ensembling 6 questions

Reading: Comments on quiz 10 min

Reading: Additional materials and links 10 min

Reading: Final project advice 10 min

Calculus

PRACTICE QUIZ - 18 MIN

Ensembling

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Ensembling

TOTAL POINTS 4

1. What is the purpose of ensembling?

1 point

☐ To make your solution more robust

☐ To compensate errors of one model by other models

☐ To learn about overfitting by trial-and-error

2. Does ensembling always lead to a better quality?

1 point

☐ Yes, always

☐ No, almost never

☐ No, but quite often

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

1 point

☐ Gradient boosting of k-NN models

☐ Bagging of decision trees with max_depth=100

☐ Linear regression

☐ Stacking of diversified models

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

1 point

☐ Linear model

☐ Decision Tree

☐ Neural net

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