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2.7 Test Your Understanding

Type	:	Practice Quiz
Questions	:	2
Scoring Policy	:	Highest Score
Your Marks	:	2/2

Instructions ⌄

RETAKE

Attempt History

Attempt #1
Aug 11, 7:51 AM

Marks: 2 ⌃

Q No: 1   Correct Answer

Marks: 1/1

Select True or False for the following statement:

In stacking, a heterogeneous model can be built whose result is combined by using another metamodel

◉ True   You Selected

○ False

> In stacking, heterogeneous models can be built whose result is combined by using another metamodel. For example, let's say we have the training and testing dataset. The training dataset is divided into two folds, fold 1 and fold 2. In the beginning the heterogeneous models, for example, let's say, Adaboost, Gradient Boost, and Random Forest models are trained using the fold 1 training dataset. After this, heterogeneous models make their predictions for the fold 2 training dataset. Then using the fold 2 training dataset predictions and observations, another meta-model is trained, for example, let's say XGBoost and the XGBoost model makes the final predictions. Finally, predictions of the meta-model are evaluated by predicting on the testing dataset.

Q No: 2   Correct Answer

Marks: 1/1

What is the correct sequence of steps for the stacking model prediction?

a) Training 2 or more base models on fold 1 and predicting on fold 2

b) Predictions of meta-model are evaluated by predicting on test data

c) Dividing the train data into 2 folds - fold 1 and fold 2

d) Using the predictions of base models a meta-model is trained

○ a - > d → b → c

○ a - > b → c → d

◉ c - > a → d → b   You Selected

○ a - > d → c → b

The correct sequence of steps for the stacking model prediction is -
Dividing the train data into 2 folds - fold 1 and fold 2
Training 2 or more base models on fold 1 and predicting on fold 2
Using the predictions of base models a meta-model is trained
Predictions of meta-model are evaluated by predicting on test data

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