Review Test Submission: SelfCheck: L9-Machine learning

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Course	BMAN73701 Programming in Python for Business Analytics 2023-24 1st Semester
Test	SelfCheck: L9-Machine learning
Started	29/11/23 10:06
Submitted	29/11/23 10:10
Status	Completed
Attempt Score	20 out of 40 points
Time Elapsed	3 minutes
Results Displayed	All Answers, Submitted Answers, Correct Answers, Feedback

Question 1

0 out of 10 points

To choose a ML model you have to look at

Selected Answers:
- ✓ The cross-validation scores
- ✗ The score on the test data

Answers:
- The score on the final data
- The score on the training data
- ✓ The cross-validation scores
- The score on the test data

Response Feedback: Incorrect!

Question 2

10 out of 10 points

All the functions in sklearn return... (mark all that are true)

← OK

Selected Answers: Some functions return Pandas DataFrames if given dataframes, but most return NumPy arrays.

Answers: Some functions return Pandas DataFrames if given dataframes, but most return NumPy arrays.

All functions return Pandas DataFrames

sklearn only accepts NumPy arrays, thus all functions return NumPy arrays.

They can return anything: lists, dictionaries, arrays, matrices. Depends on the input.

Response Feedback: Correct!

Question 3

0 out of 10 points

In sklearn, the method ".score()" returns...

Selected Answer: accuracy

Answers: a default evaluation criterion, which may be different for each ML model and for the problem they are designed to solve.

R2 score

accuracy

how good the prediction is, which is always calculated in the same way.

Response Feedback: Incorrect. See http://scikit-learn.org/stable/modules/model_evaluation.html

Question 4

10 out of 10 points

In Scikit-learn, the method or function that "trains" a machine learning model using data is called...

Selected Answers: fit()

Answers: cross_val_score()

train()

train_test_split()

fit()

fit_transform()

Response Feedback: Correct!

Wednesday, 29 November 2023 10:10:08 o'clock GMT