Back to 'Day 2 '

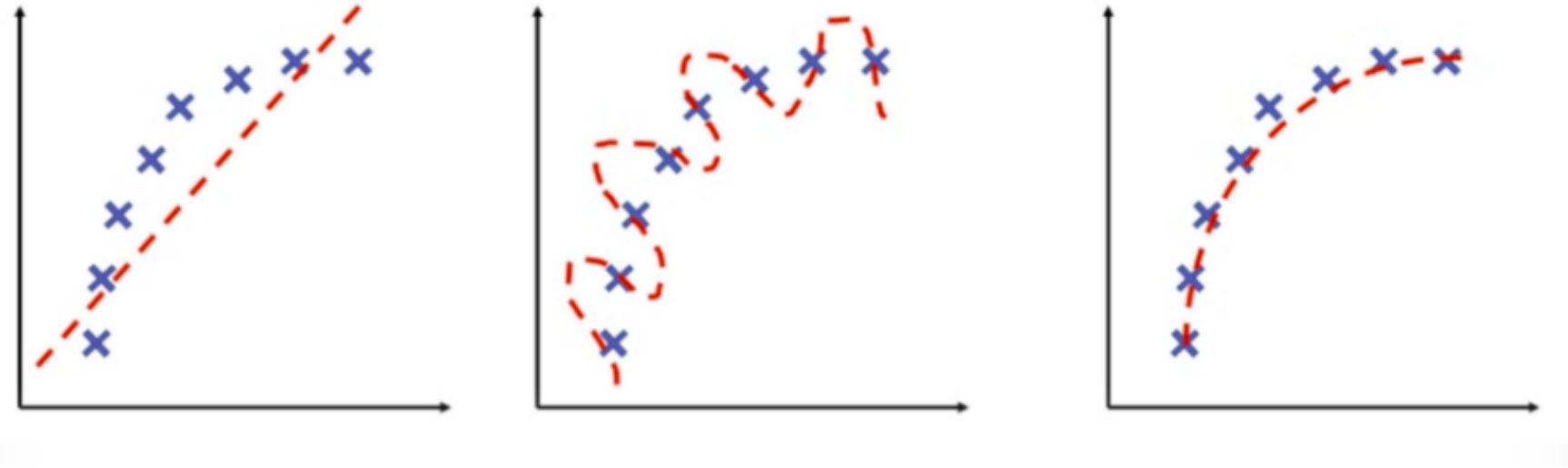
Started on	Wednesday, 17 June 2020, 2:33 AM
State	Finished
Completed on	Wednesday, 17 June 2020, 2:40 AM
Time taken	6 mins 57 secs
Grade	**10.00** out of 10.00 (**100**%)

Question 1

Correct

Mark 1.00 out of 1.00

Which one of the following represents Overfitting?



Select one:

- a. Figure 1
- b. Figure 2 ✔
- c. Figure 3
- d. None of the above

Your answer is correct.

The correct answer is: Figure 2

Question 2

Correct

Mark 1.00 out of 1.00

What is Overfitting?

Select one:

- a. Overfitting is when data is lost
- b. Overfitting is the case where the model has learned enough from the training data, resulting in reliable predictions.
- c. Overfitting is a modeling error which occurs when a model is too closely fit to a limited set of data points. ✔
- d. All of the above

Your answer is correct.

The correct answer is: Overfitting is a modeling error which occurs when a model is too closely fit to a limited set of data points.

Question 3

Correct

Mark 1.00 out of 1.00

Which of the following is/are regression task(s)?

Select one or more:

- [ ] a. Predicting whether an email is spam
- [x] b. Predicting age of a person ✔
- [ ] c. predicting whether a fruit is apple, orange or banana based on the various characteristics of the fruit
- [x] d. Predicting the stock price of a company tomorrow ✔

Your answer is correct.

The correct answers are: Predicting age of a person, Predicting the stock price of a company tomorrow

Question **4**

Correct

Mark 1.00 out of 1.00

Which of the following is/are classification problem(s)?

Select one or more:

- [x] a. predicting whether a fruit is apple, orange or banana based on the various characteristics of the fruit ✔
- [ ] b. Predict the number of copies a music album will be sold next month
- [x] c. Predicting whether it will rain today or not ✔
- [x] d. Predicting the gender of a person by his/her handwriting style ✔
- [ ] e. Predicting house price based on area, no. of bed rooms and other house characteristics

Your answer is correct.

The correct answers are: Predicting the gender of a person by his/her handwriting style, Predicting whether it will rain today or not, predicting whether a fruit is apple, orange or banana based on the various characteristics of the fruit

Question 5

Correct

Mark 1.00 out of 1.00

In a problem where you are predicting the number of cars in an area based on the area's population, the number of cars is:

Select one:

- a. outcome/ target variable ✔
- b. attribute
- c. input variable
- d. None of the above

Your answer is correct.

The correct answer is: outcome/ target variable

Question 6

Correct

Mark 1.00 out of 1.00

Select all the steps in machine learning life cycle:

Select one or more:

- [x] a. Model Training
- [x] b. Deploying Models to Production
- [x] c. Data Collection
- [x] d. Model Evaluation

Your answer is correct.

The correct answers are: Model Evaluation, Model Training, Data Collection, Deploying Models to Production

Question 7

Correct

Mark 1.00 out of 1.00

Discriminating between spam and not spam emails is a classification task. True or False?

Select one:

- a. True ✔
- b. False

Your answer is correct.

The correct answer is: True

Question 8

Correct

Mark 1.00 out of 1.00

Classification is:

Select one:

- a. A predictive modeling problem where a class label is predicted for a given example of input data. ✔
- b. Measure of the accuracy
- c. Task of predicting a value over a continuous interval of time
- d. None of the above

Your answer is correct.

The correct answer is: A predictive modeling problem where a class label is predicted for a given example of input data.

Question 9

Correct

Mark 1.00 out of 1.00

How would you import a decision tree classifier in sklearn?

Select one:

- a. None of these
- b. from sklearn.tree import DecisionTreeClassifier ✔
- c. from sklearn.ensemble import DecisionTreeClassifier
- d. from sklearn.decision_tree import DecisionTreeClassifier

Your answer is correct.

The correct answer is: from sklearn.tree import DecisionTreeClassifier

Question 10

Correct

Mark 1.00 out of 1.00

Suppose you are working on weather prediction, and your weather station makes one of three predictions for each day's weather: Sunny, Cloudy or Rainy. You'd like to use a learning algorithm to predict tomorrow's weather. Would you treat this as a classification or a regression problem?

Select one:

- a. Regression
- b. Classification ✔

Your answer is correct.

The correct answer is: Classification

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