Review your last 10 questions

3 days, 2 hours remaining until quiz ends.

Pause Quiz | Show Leaderboard | Continue with Quiz

Not attempted questions(Timed out)	0
Skipped questions	0
Correct questions	6
Incorrect questions	4
Marked Ambiguous	0
Total Questions	10

1/10

You are given a deck of cards.

What is the probability of pulling out a card of diamonds?

- 1/3
- 1/4
- 3/13
- 4/13

Correct

Report Incorrect Answer

2/10

The sample standard deviation gets smaller when the sample gets larger.

The above statement is:

- True
- False
- Independent of the sample
- None

Incorrect

Report Incorrect Answer

3/10

Dimensionality reduction algorithms works on which type of data

- Supervised
- Unsupervised
- Both
- None

Incorrect

Report Incorrect Answer

4/10

We can one-hot encode a variable,if it is _____.

- categorical
- ordinal
- numerical
- none

Correct

Report Incorrect Answer

5/10

Suppose the price corresponds to the number of rooms as follows:

Room	Price
1	0
2	1
3	2
4	3

A data scientist built a neural model as below:

```
from sklearn.neural_network import MLPRegressor

X=[[1],[2],[3],[4]]

y=[0,1,2,3]

clf = MLPRegressor()

clf.fit(X, y)

x1=[[0.5]]

print (clf.predict(x1))
```

What will be the output of the above code?

- -0.5
- <=0
- >=0
- Any value can come

Correct

Report Incorrect Answer

6/10

which of the following is correct statement to calculate median ?

- df['average_marks'].quantile(0.25)
- df['average_marks'].quantile(0.50)
- df['average_marks'].quantile(1)
- df['average_marks'].quantile(0.75)

Correct

Report Incorrect Answer

7/10

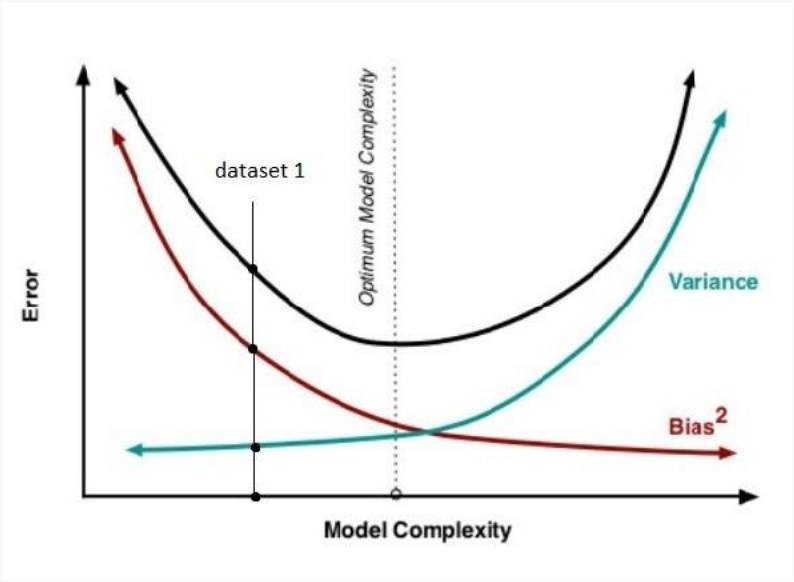
Which of the following approaches can we use to find outliers in a dataset?

- Calculate average distance of each point from it’s k nearest neighbours and remove points with high values of these distances
- Calculate the Euclidean distance of each point from all other points and remove points with high values of average of these distances
- None of the above

Correct

Report Incorrect Answer

8/10



Assume that a predictive model is applied on a dataset and the result is obtained as shown in the graph. What should be done to improve the model?

- Add more features
- Remove few features
- Remove few sample points
- Increase the size of the training data
- 1 and 4
- 2 and 3

Incorrect

Report Incorrect Answer

9/10

Below are two ensemble models:

1. E1 (M1, M2, M3) and
2. E2 (M4, M5, M6)

Where Mi are the individual base models.

Which one of the two ensembles will perform better, given the conditions for E1 and E2 below:

E1: Individual models accuracies are high but models are of the same type (or in other terms less diverse)
E2: Individual models accuracies are high but they are of different types (in other terms more diverse in nature)

- E1
- E2
- Any of E1 and E2

- None of these

Incorrect

Report Incorrect Answer

10/10

In a standard normal distribution curve with y-axis representing Probability-density and x-axis representing data-points, Probability density is proportional to-

- exp(-x2)
- exp(x2)
- exp(-x3)
- exp(x3)

Correct

Report Incorrect Answer

Suggested reading

7 Types of Regression Techniques you should know

Pause Quiz | Show Leaderboard | Continue with Quiz