

Correct answer!

✕

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1/10

In reference to the above figure,

If our sample statistic falls in the non-shaded region, does that mean our null hypothesis is surely true?

- Yes, it clearly shows that our null hypothesis is true.
- No, but we may accept it as true because we don't have any statistical evidence to reject it.
- No it's not true at all.
- It depends upon the hypothesis we have taken and varies with the situation.

Not attempted

2/10

Given a dataset in the form of similarity matrix, can we use a decision tree?

- No, decision trees cannot work with a similarity matrix

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- Yes, decision trees can work with a similarity matrix
- Insufficient information

Incorrect

3/10

Suppose ram has a certain data which consists of 15 samples of Ram's height and 15 samples of Shyam's height, and Ram is assured that only 2% of the data is happened by chance.

What will be the Degree of freedom of t-test computed by Ram.

- 28
- 29
- 30
- 31

Marked Ambiguous

4/10

A regression equation between the height (x) and the weight (y) is given by:

$$y=50+12x$$

How will a 2 unit increase in the height affect the weight?

- The weight will increase by 12 units
- The weight will increase by 24 units
- The weight will increase by 74 units
- The weight will increase by 112 units

Incorrect

5/10

Which of the following statements is correct

Statement 1 – When model is overfitting the data, the training set accuracy is significantly higher than test set accuracy.

Statement 2: When model is underfitting the data, the train set accuracy is lower than test set accuracy.

Statement 3: When model is overfitting there is no difference in training and test set accuracy.

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Statement 4: When model is underfitting there is no difference in training and test set accuracy.

- Statement 1
- Statement 2
- Statement 3
- Statement 4
- Statement 1 and 2
- Statement 3 and 4

Incorrect

6/10

While performing Random Forest over an Extremely randomised trees, we prefer performing-

- Row Sampling + Column Sampling + Aggregation + Randomization in selecting base models
- Aggregation + Randomization in selecting base models
- Row Sampling + Column Sampling + Randomization in selecting base models
- Row Sampling + Column Sampling

Correct

7/10

Jack is having two coins in his hand. Out of the two coins, one is a real coin and the second one is a faulty one with Tails on both sides. He blind folds himself to choose a random coin and tosses it in the air. The coin falls down with Tails facing upwards. What is the probability that this tails is shown by the faulty coin?

- 1-Mar
- 2-Mar
- $\hat{A}^{\frac{1}{2}}$
- $\hat{A}^{\frac{1}{4}}$

Incorrect

8/10

Neha loaded pretrained word2vec in variable named `model`. Now she wants to check the effectiveness of this model by checking if it can decide whether two words are same in meaning. She wrote the following code, help her fill the correct option.

```
model._____(`breakfast cereal dinner lunch`.split())
```

output: `cereal`

- ☒ doesnt_match
- ☐ odd_one
- ☐ not_same
- ☐ none of these

Not attempted

9/10

Which of the following statements is/are true about stacking?

- I. A machine learning model is trained on predictions of multiple machine learning models
 - II. A Logistic regression works better in the second stage, when compared to other classifiers
 - III. First stage models are trained on full / partial feature space of training data
- ☐ 1 and 2
 - ☐ 2 and 3
 - ☒ 1 and 3
 - ☐ All of above

Correct

10/10

Which of the following would not give the column-wise maximum of the 2D array given below?

2 3 4

1 5 2

The expected result is:

2 5 4

1.

```
np.maximum([2, 3, 4],  
           [1, 5, 2])
```

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2.

```
np.fmax([2, 3, 4],  
        [1, 5, 2])
```

3.

```
a=np.array([[2,3,4,],[1,5,2]])  
  
np.max(a,axis=1)
```

- Only 1
- 1 and 2
- 1 and 3
- Only 3
- Only 2

Correct

i Suggested reading

[Essentials of Machine Learning Algorithms \(with Python and R Codes\)](#)

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