

Correct answer!

✕

Review your last 10 questions

5 days, 5 hours remaining until quiz ends.



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Your Stats	
Not attempted questions(Timed out)	1
Skipped questions	0
Correct questions	5
Incorrect questions	3
Marked Ambiguous	1
Total Questions	60

1/10

Charlie is a statistics student studying about the measures of central tendency. For practise, he was given a dataset with non-negative 1000 data points and it has 1 outlier in the data. Answer the questions based on the given information.

He wanted to do proper analysis of the data using excel, while data entry, he wrongly entered another value similar to the value of original outlier. What will be the effect on the mean

• Mean will increase

• Mean will decrease

• Mean will remain same

• Cannot say

Incorrect

2/10

Which of the following is also known as an output attribute?

• Predictive variable

• Independent variable

• Estimated variable

• Dependent variable

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https://datamin.analyticsvidhya.com/quiz/review

1/6

- Both a and b

Marked Ambiguous

3/10

Given an accuracy vs value of k graph for a KNN algorithm, which of the following is true?

- It will always be a graph that rises before a certain point and then declines
- It will start from the origin
- Changing the number split of training and test set would change the graph
- All of the above
- None of the above

Incorrect

4/10

There are 8 coins kept in a bag. 5 of those coins are unfair and in that they have a 40% chance of showing up heads when flipped (rest are fair coins). You randomly choose one coin from the bag and flip it three times.

What is the percent probability of getting three tails? (rounded up to the nearest tenths)

- 3.5%
- 6.6%
- 15.2%
- 7.6%

Correct

5/10

Context 19-21:

Assume you are given two tables AV1 and AV2 which represent two different deparments of AV.

AV1 TABLE:

id	name
1	ANKIT

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2	FAIZAN
3	SUNIL
4	SAURABH
5	KUNAL

AV2 TABLE:

Id	name
1	DEEPAK
2	SWATI
3	DEEPIKA
4	PRANAV
5	KUNAL
5	SUNIL

What is the output for the below query?

Query: SELECT NAME FROM AV1 EXCEPT SELECT NAME FROM AV2;

- | |
|---------|
| name |
| FAIZAN |
| SAURABH |
| ANKIT |
- | |
|---------|
| name |
| FAIZAN |
| SAURABH |
| ANKIT |
| SUNIL |
| KUNAL |
- ERROR
- None of these

Correct

6/10

Which of the following is equivalent to F β score if the value of β tends to infinity?

- F β score obtained using the arithmetic mean of precision and recall
- Precision
- Recall
- Not defined

Incorrect

7/10

If two dice are thrown together, what is the probability that the sum is greater than 9?

- 5/18
- 3/4
- 1/6
- 1/3

Not attempted

8/10

Consider the following dataframe df:

	Id	SepalLengthCm	SepalWidthCm	PetalLengthCm	PetalWidthCm	Species
0	1	5.1	3.5	1.4	0.2	Iris-setosa
1	2	4.9	3.0	1.4	0.2	Iris-setosa
2	3	4.7	3.2	1.3	0.2	Iris-setosa
3	4	4.6	3.1	1.5	0.2	Iris-setosa
4	5	5.0	3.6	1.4	0.2	Iris-setosa

Which of the following will remove the column with name Id?

- 1) del df['Id']
- 2) df.__delitem__('Id')
- 3) df.drop('Id',axis=1)

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

- 1, 2 and 3

Correct

9/10

Consider the following scenario for questions:

A researcher claims that the length of songs has significantly reduced in 21st century compared to the ones in 20th century. For proving this hypothesis, he took a sample size of 40.

If the mean and standard deviation of population is given, what is the best choice for hypothesis testing:

- T-test
- Z-test
- Chi-squared test

Correct

10/10

Janet is performing some experiments with a regression model on a normalised data. She first made a regression model. After that, she multiplied all the values of a particular feature by a value `n`. Which of the following is true about the product of coefficient and data values for this feature?

- Increases
- Decreases
- Remain same
- Cannot be determined

Correct

i Suggested reading

[Basics of Probability for Data Science explained with examples](#)

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