

Review your last 10 questions

5 days, 5 hours remaining until quiz ends.



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Your Stats	
Not attempted questions(Timed out)	0
Skipped questions	0
Correct questions	6
Incorrect questions	4
Marked Ambiguous	0
Total Questions	50

1/10

1. The central limit theorem says that the sampling distribution of the sample mean is approximately normal if

The sample size is large

All of the above

Incorrect

2/10

What does the output of the following code signify?

```
import spacy
nlp = spacy.load('en_core_web_md')
sent1 = 'Data science is love'
sent2 = 'Love data and science'
doc1 = nlp(sent1)
doc2 = nlp(sent2)
print(doc1.similarity(doc2))
```

The code outputs a similarity index between 0 and 1, with 1 being most similar and 0 being least similar

The code outputs a similarity index between -1 and 1, with 1 being most similar and -1 least similar

The code outputs a similarity index between 0 and 1, with 0 being most similar and 1 being least similar

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- The code outputs a similarity index between -1 and 1, with -1 being most similar and 1 least similar

Incorrect

3/10

Two data scientists want to make a non-linear regression model from a similar dataset. The first one tries to find the P-values of the variables to check the significance of the variables in the model. While the second used the confidence intervals to select the parameters. Which model should be trusted?

- First
- Second
- both
- Cannot be determined

Incorrect

4/10

Which of the following options will group the dataframe df by multiple columns(column1 and column2)?

- df.groupby('column1','column2')
- df.groupby(['column1','column2'])
- df.groupby(('column1','column2'))
- None of the above

Correct

5/10

In which of the following applications can we use deep learning to solve the problem?

- Protein structure prediction
- Prediction of chemical reactions
- Detection of exotic particles
- All of these

Correct

6/10

Select the correct output:

```
l=['abcd','zx','def']
```

```
l.sort()
```

```
print(l)
```

- ['abcd','zx','def']
- ['abcd','def','zx']
- ['zx','def','abcd']
- error(not a numpy array,sort() function available for np array only)

Correct

7/10

What is the run time complexity of a decision tree of a depth 'k' used on a dataset with 'n' datapoints and 'd' dimensions?

- BigOh(ndk)
- BigOh(k)
- BigOh(d)
- BigOh(nd)
- None of the above

Incorrect

8/10

If the cosine distance between two vectors, corresponding to two datapoints, is 2 then what is the L2 norm value for a vector defined by the difference between the two given vectors?

- 2
- 1.41
- 1
- 4

Correct

9/10

Which of the following is used as a benchmark to compare other models for a text classification problem?

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- Naïve Bayes
- KNN
- Decision trees
- SVM
- None of the above

Correct

10/10

_____ is the analysis of variance and _____ is the analysis of covariance.

- ANCOVA, ANOVA
- ANOVA, ANCOVA
- MANOVA, ANOVA
- ANCOVA, MANOVA

Correct

i Suggested reading

[9 Challenges on Data Merging & Subsetting in R & Python \(beginners\).](#)

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