Review your last 10 questions

3 days, 1 hour remaining until quiz ends.

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Your Stats	
Not attempted questions(Timed out)	0
Skipped questions	0
Correct questions	4
Incorrect questions	6
Marked Ambiguous	0
Total Questions	190

1/10

What's the purpose of using VIF(Variance inflation Factor)?

- To normalize the dataset
- To check Endogenity of the model
- To check the correlations between independent variables
- None of the above

Correct

2/10

While building a classification model. If we want to avoid type 1 error then which of the following option should be our preference?

- precision=0.20
- precision=0.90
- recall=0.20
- recall=0.90

Incorrect

Online Chat

3/10

James was studying the properties of different distributions, he obtained a dataset that follows power law, so he thought of using Box-Cox transformation with parameter lambda to get a better understanding of the transformed dataset. Answer the questions based on the given information.

Box-Cox transformation is used to transforms power law distributions into

- Normal distribution
- Geometric distribution
- Hyper geometric distribution
- None of the above

Incorrect

4/10

Topic: Confidence Interval

A sample of 400 students from a university were randomly selected. They were asked if the current duration of the university needed to be reduced. 46% of the students, answered yes. If the sample consisted of 300 students instead of 400 students, but the sample proportion of students who answered yes to the question was still 46%, the margin of error would be

- smaller
- larger
- same
- Can't determine

Incorrect

5/10

Bran chose a random number from 10 consecutive positive integers. Find probability that the randomly chosen number is greater than average?

- 3/10
- 2/5
- 1/2
- 7/10
- 4/5

Correct

6/10

Akhil wants to classify emails as spam or not spam. He starts by creating a

perceptron for the problem.

Complete Akhil's code:

```
from keras.models import Sequential
from keras.layers import Dense

model = Sequential()
model.add(Dense(5, input_dim=2, activation='relu'))

model.add(Dense(1, activation=___?___))
```

- sigmoid
- relu
- linear
- None of the above

Correct

7/10

John, a student, is given the task of binary classification of a given dataset, consisting of 1 million datapoints. Further, after feature engineering, the dimensionality of this dataset has been decreased from 750 to 200. He has been told to use KNN approach only. Further, his priority is that the algorithm should be as fast as possible.

If he tries to use LSH, with 'm' hyperplanes, how many regions will the 'd' dimensional space be divided into?

- d*m
- m
- 2^m
- None of the above

Incorrect

8/10

Given two numpy arrays, *names* and *salary*(containing the names and salaries of employees of a company).
Which of the following options will sort the *names* array in decreasing order of their salary?

- name[np.argsort(salary)[::-1]]
- name.sort(np.argsort(salary)[::-1])
- name[np.argsort(salary, ascending=False)]
- name.sort(np.argsort(salary, ascending=False))

Incorrect

Online Chat

9/10

Complete the code to print the following output:

Output:

```
xyz@analytics.com True
- False
Congrats False
sharma@gomail.com True
on False
winning False
the False
latest False
hackathon False
```

Code:

```
import spacy

nlp = spacy.load('en_core_web_sm')
text = 'xyz@analytics.com - Congrats sharma@gomail.com on winning the
latest hackathon'
doc = nlp(text)
for ___1___ in ___2___:
print(each, ___3___)
```

- 1 - doc
  2 - each
  3 - doc.is_email
- 1 - each
  2 - doc
  3 - each.like_email
- 1 - each
  2 - doc
  3 - each.is_email
- 1 - doc
  2 - each
  3 - each.like_email

Correct

10/10

Which of the following is true for a soft margin SVM?

- It is known as the primal form of SVM
- It is equivalent to the optimization of dual form of SVM
- Both a and b
- None of the above

Incorrect

Suggested reading

Pytorch Introduction - How to Build Quick and Accurate Neural Networks

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