Review your last 10 questions

3 days, 1 hour remaining until quiz ends.

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Your Stats	
Not attempted questions(Timed out)	1
Skipped questions	0
Correct questions	4
Incorrect questions	5
Marked Ambiguous	0
Total Questions	210

1/10

Sakshi has two datasets: df1 and df2. df1 contains sid and name whereas df2 contains sid and age. Now she wants to make a dataset df3 . Help her do this.

df1:

	sid	name
	f1	divyam
	f2	sakshi
	f3	mayvid
	f4	dhiman

df2:

	sid	age
0	f3	25
1	f4	26
2	f2	17
3	f1	18

df3:

	sid	name	age
0	f1	divyam	18
1	f2	sakshi	17
2	f3	mayvid	25
3	f4	dhiman	26

1.pd.merge(df1,df2)

2.df1.set_index('sid').join(df2.set_index('sid'))

3.pd.concat([df1,df2],join='inner',axis=1)

4.df1.join(df2,lsuffix=' ', rsuffix=' ')

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Select which of the options are correct.

- 2&3
- 1&2
- 2,3,4
- all of the above

Incorrect

2/10

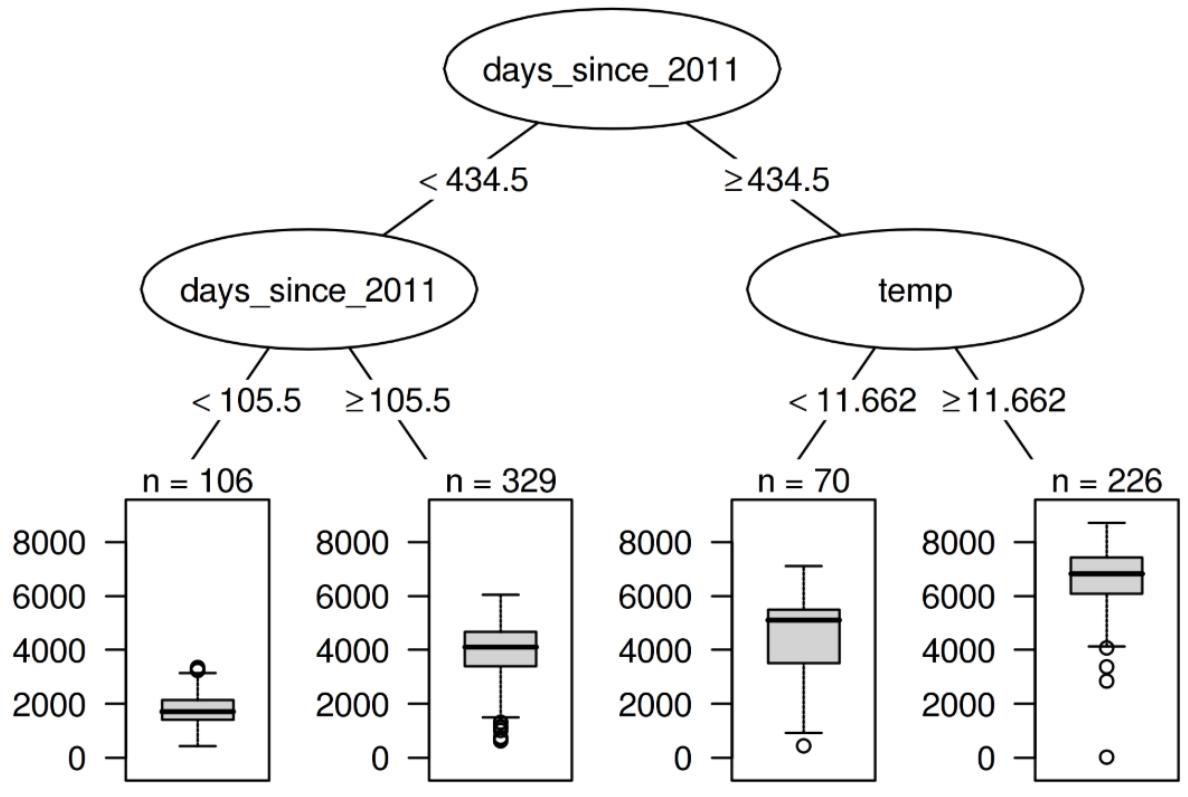
There is a set of 4 cards consisting of an Ace, King, Queen and a Jack. The selection is biased and the chances of choosing a Jack is 1/8. A random card is chosen twice. If 'S' is the 'number of Jacks seen', find the variance of the random variable S.

- 5/32
- 9/31
- 7/31
- 7/32

Correct

3/10

Source: Interpretable-ml



Given above is a decision tree of a number of a rentals bike, and given are the features.

How many bikes are rented between 106th and 432th day since 2011?

- 2000
- 1800

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- 3900
- 4000

Not attempted

4/10

Which of the following is an example of a deterministic algorithm?

- PCA
- K-Means
- None of the above

Incorrect

5/10

Assume seaborn has been imported as sns

Which of the following statement would import the planets dataset from the seaborn online repository and store it in a variable df?

- `df = sns.get_dataset('planets')`
- `df = sns.load_dataset('planets')`
- `df = sns.import_dataset('planets')`
- All of the above

Correct

6/10

A data science student used PCA on a dataset for dimensionality reduction and obtained the following variances of 5 principal components. What can you conclude from his result.

Principal Component	Variances
1	0.2
2	0.9
3	2.5
4	3.8
5	4.6

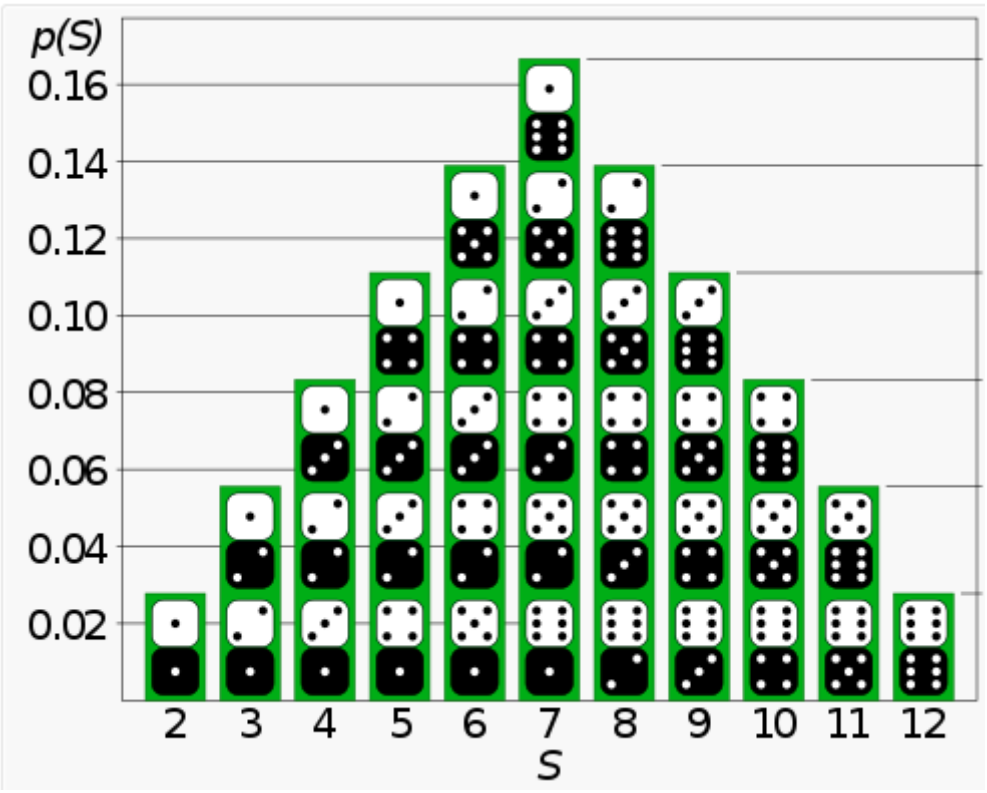
- First and second principal component explains minimum variance and should be left out for analysis.
- First and second principal component explains minimum variance and should be considered for analysis.

- As fifth principal component explains the highest variance, only it should be consider for analysis
- The obtained result is wrong.

Incorrect

7/10

Imagine a person playing with two dice. The probability distribution of the dice coming with certain values simultaneously are shown in the graph given below.



If we increase the probability of 4 and 6 coming simultaneously, how will the mean value of the graph will change?

- Mean value will increase
- Mean value will decrease
- No change in the mean value
- May increase or decrease

Correct

8/10

It is a busy Monday morning and Manisha has to reach her office before 11:00 am for a meeting. She opens an app to book a cab but finds the fare prices to be higher than the average rates.

What technology is used for implementation of this inflated pricing model at the demand/peak hour?

- Network Topology

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- Biometrics
- Data Science
- Social Networks

Incorrect

9/10

Which of the following is true for Proximity matrix?

- It is symmetric
- It needs to be updated after every iteration in agglomerative clustering
- It needs to be updated after every iteration in divisive clustering
- All of the above
- None of the above

Correct

10/10

From which sklearn library can the LogisticRegression() function be imported?

- linear_model
- logistic_model
- classification
- sigmoid

Incorrect

Suggested reading

Essentials of Machine Learning Algorithms (with Python and R Codes)

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