



Free Questions for E20-065 by actualtestdumps

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Question 1

Question Type: MultipleChoice

A simulation to compare two different sales models yields different results for the same set of input variables in different runs.

What is the likely cause?

Options:

- A- bit operating system was used
- B- The same number of trials was used.
- C- A linear congruential generator (LCG) was used for pseudo-random number generation.
- D- Different seeds for the random number generator were used

Answer:

C

Question 2

Question Type: MultipleChoice

A data engineer is asked to process several large datasets using MapReduce. Upon initial inspection the engineer realizes that there are complex interdependencies between the datasets.

Why is this a problem?

Options:

- A- MapReduce works best on unstructured data
- B- There is no problem; MapReduce accommodates all the data
- C- MapReduce can only parse one file at a time.
- D- MapReduce is not ideal when the processing of one dataset depends on another.

Answer:

D

Question 3

Question Type: MultipleChoice

What is a key beneficial characteristic of the Random Forest algorithm?

Options:

- A- Provides an explanatory model
- B- Distinguishes categorical from continuous variables
- C- Support for unstructured data
- D- Resiliency to complex, non-linear variable interactions

Answer:

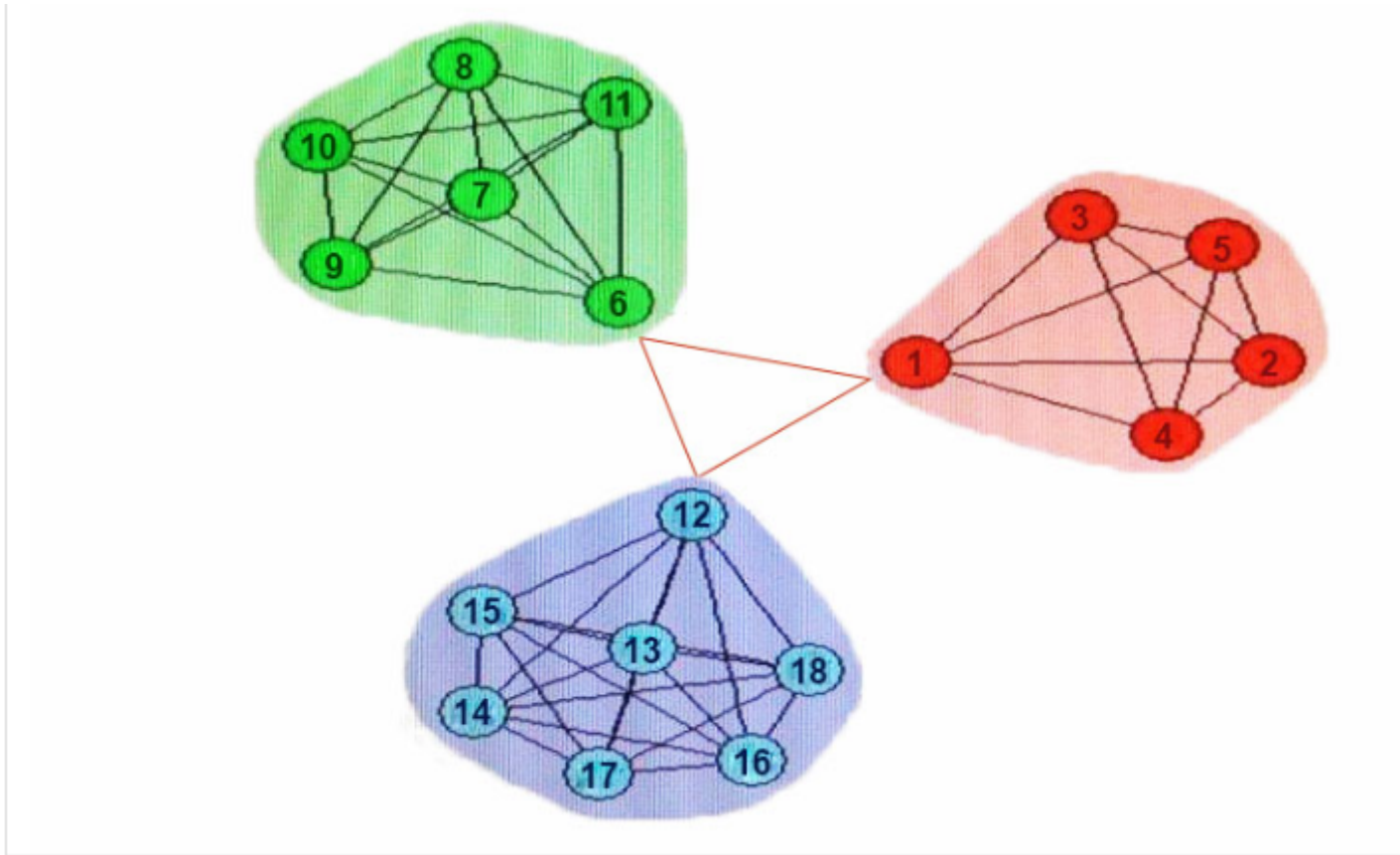
D

Question 4

Question Type: MultipleChoice

If two of the communities are re-designated to be one community, how does that change the network characteristics?

Refer to the exhibit.



Options:

A- Neighborhood overlap would increase

B- Network diameter would decrease

C- Modularity would increase

D- Modularity would decrease

Answer:

B

Question 5

Question Type: MultipleChoice

You develop a Python script "logisticpy" to evaluate the logistic function denoted as $f(y)$ for a given value y that includes the following Pig code:

```
Register 'logistic.py' using jython as udf;
```

```
z = FOREACH y GENERATE $0, udf.logistic ($0);
```

```
DUMP z;
```

What is the expected output when the Pig code is executed?

Options:

A- 0

B- Jython is not a supported language

C- Value of $f(y)$ for ally

D- Tuples $(y, f(y))$

Answer:

D

Question 6

Question Type: MultipleChoice

What are key characteristics of regular lattices?

Options:

A- Low clustering coefficients, high network diameters

B- High clustering coefficients, small network diameters

C- Low clustering coefficients; small network diameters

D- High clustering coefficients; high network diameters

Answer:

D

Question 7

Question Type: MultipleChoice

An edge has an embeddedness of 0. What is the edge most likely to be?

Options:

A- Part of regular lattice

B- Weak tie

C- Part of a clique

D- Strong tie

Answer:

C

Question 8

Question Type: MultipleChoice

In a typical multinomial logistic regression analysis involving six outcomes (class labels) and three input variables, how many model parameters will need to be estimated?

Options:

A- 9

B- 18

C- 20

D- 24

Answer:

B

Question 9

Question Type: MultipleChoice

What describes how nodes in a social network are similar to each other in characteristics?

Options:

- A- Community clustering
- B- Modularity
- C- Homophily
- D- Strongly tied network

Answer:

C

Question 10

Question Type: MultipleChoice

How does Latent Dirichlet Allocation (LDA) interpret a document?

Options:

- A- As a single-predefined topic
- B- As a mixture of pre-defined topics
- C- As having a mixture of sentiments
- D- As having a single pre-defined sentiment

Answer:

B

Question 11

Question Type: MultipleChoice

Assuming the node index starts at 1, what is the out-degree of node 3 in the adjacency matrix shown?

Refer to the exhibit.

$$A = \begin{vmatrix} 0 & 1 & 0 & 0 & 1 \\ 0 & 0 & 1 & 1 & 1 \\ 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 0 \end{vmatrix}$$

Options:

A- 0

B- 1

C- 2

D- 3

Answer:

A

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