Assignment 1

Due on 2019-09-14, 23:59 IST.

W1. Which of the following is not an advantage of association rules?

- The rules are transparent and easy to understand
- They capture causality and simple rules
- They capture low-support rare items
- None of the above

No, the answer is incorrect.

Acceptable Answer:

- The rules are transparent and easy to understand
- They capture causality and simple rules
- They capture low-support rare items

W2. In one of the frequent item sets example, it is observed that if tea and milk are bought then sugar is also bought. 3 point purchased by the customers. After analyzing the association rule among the given set of items, it is inferred:

- People who purchase tea and milk also purchase sugar
- People who purchase tea or milk purchase sugar
- People who purchase tea, milk, and sugar purchase sugar
- People who purchase tea, milk, and sugar purchase sugar

No, the answer is incorrect.

Acceptable Answer:

- People who purchase tea and milk also purchase sugar
- People who purchase tea or milk purchase sugar
- People who purchase tea, milk, and sugar purchase sugar

W3. What is the limitation behind the generation of Association rule mining?

- High computational time
- Grasping patterns with casual interaction
- Both a and b
- None of the above

No, the answer is incorrect.

Acceptable Answers:

- High computational time
- Grasping patterns with casual interaction
- Both a and b

W4. Confidence can be best represented as:

- Support and consequent
- Lift or support and antecedent
- Prediction accuracy
- None of the above

No, the answer is incorrect.

Acceptable Answers:

- Prediction accuracy

W5. In Apriori algorithm for generating e.g. 3 item sets, we use:

- Frequent 4 item sets
- Frequent 3 item sets
- Frequent 5 item sets
- None of the above

No, the answer is incorrect.

Acceptable Answer:

- Frequent 4 item sets

W6. A database has 3 transactions. Of these, 2 transactions include milk and bread. Further, of the given 3 transactions, 2 transactions include cheese. Find the support percentage for the following association rules: (milk and bread) are purchased, then cheese is also purchased.

- 50%
- 60%
- 70%
- None of the above

No, the answer is incorrect.

Acceptable Answer:

- 70%

W7. What are the events that interrupt the results after rule generation?

- Absolute error
- Lift ratios
- Got Index
- None of the above

No, the answer is incorrect.

Acceptable Answers:

- Absolute error

W8. Which is the best representation for explaining classification for the following association rules: 1. 10/15 (total number of transactions)

- (10/15) (total number of transactions)
- (10/15) (total number of transactions)
- None of the above

No, the answer is incorrect.

Acceptable Answer:

- (10/15) (total number of transactions)