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survival8

BITS WILP Data Mining Quiz-1 2017-H2

Index   Subjects ⌄   Mail Us

Question 1
In association analysis, confidence measures certainty of the rule.
Select one:
◉ True
○ False
Feedback
The correct answer is 'True'.

Question 2
An image recognition system identifies 4 books out of which only 2 are actually books. Actually, there were a total of 8 books in the image. The F1-score of the system is:
Select one:
○ 0.67
○ 0.25
○ 0.5
◉ 0.33
Feedback
The correct answer is: 0.33

Question 3
The entropy of a fair coin toss is:

Select one:
○ 0.5
○ 0
○ 0.25
◉ 1
Feedback
The correct answer is: 1

Question 4
Analysis of patterns for stock market prediction is an example of:
Select one:
○ characterization and discrimination
○ correlation
○ outlier analysis
◉ evolution analysis
Feedback
The correct answer is: evolution analysis

Question 5
In classification, we evaluate the performance of a classifier on training data

Select one:
○ True
◉ False
Feedback
The correct answer is 'False'.

Question 6
A quiz question had names of 6 algorithms of which the student had to select only the classification algorithms. A student identified 3 of them as classification algorithms. During evaluation it was found that 2 of the algorithms identified by the student were indeed classification algorithms. The student was unable to identify 2 other classification algorithms in the list.
The recall is:
Select one:
○ 0.60
◉ 0.50
○ 0.33
○ 0.73
Feedback
The correct answer is: 0.50

Question 7
MostFrequent - to find the most frequently occuring sample in the set.

Pages

- Postings Index
- Index of BITS WILP Exam Papers and Content
- Index of Lessons in Technology
- Index of Guest Interviews
- Downloads
- Book Requests

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  ▼ May (1)
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  ► April (6)
  ► March (12)
  ► February (6)
  ► January (6)
► 2019 (48)
► 2018 (31)
► 2017 (15)
► 2016 (6)

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MostFrequent is an example of:
Select one:
◉ holistic measure
◯ distributive measure
◯ algebraic measure
◯ none of the measures
Feedback
The correct answer is: holistic measure

Question 8
Given the following frequent itemsets. Assuming these are the only available 2,3, and 4-itemsets:
{AB}, {BC}, {AC}, {ABC}, {ABCD}, {ABD}, {BCD}, {ACD}
We can be certain that the itemset {ABD} is:
Select one:
◯ closed
◯ neither maximal nor closed
◯ maximal
◉ not maximal
Feedback
The correct answer is: not maximal

Question 9
A boxplot can show outliers as small circles/points,
Select one:
◉ True
◯ False
Feedback
The correct answer is 'True'.

Question 10
A decision tree is split on the attribute with highest Gini Index.

Select one:
◯ True
◉ False
Feedback
The correct answer is 'False'.

Question 11
A quiz question had names of 10 algorithms of which the student had to select only the classification algorithms. A student identified 7 of them as classification algorithms. During evaluation it was found that 5 of the algorithms identified by the student were indeed classification algorithms. The student was unable to identify 4 other classification algorithms in the list.
The precision is:
Select one:
◯ 0.59
◯ 0.49
◉ 0.71
◯ 0.69
Feedback
The correct answer is: 0.71

Question 12
The following data is about a poll that occurred in 3 states. In state1, 50% of voters support Party1, in state2, 60% of the voters support Party1, and in state3, 35% of the voters support Party1. Of the total population of the three states, 40% live in state1, 25% live in state2, and 35% live in state3. Given that a voter supports Party1, what is the probability that he lives in state2?

Select one:
◯ 0.62
◯ 0.42
◯ 0.52
◉ 0.32
Feedback
The correct answer is: 0.32

Question 13
10, 2, 3, 4, 5, 3, 4, 6, 2
How many modes are there?
Select one:
◯ a. 4
◯ b. 1
◯ c. 2
◉ d. 3
Feedback
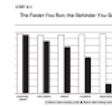The correct answer is: 3

Question 14
A boxplot is nothing but a visual representation of IQR
Select one:
◯ True
◉ False
Feedback
The correct answer is 'False'.

Question 15

Given the following two sentences (which are same):

this is quiz 1.

this is quiz 1.

The cosine similarity between the two is:

Select one:

○ 0

○ need more data

◉ 1

○ 0.5

Feedback

The correct answer is: 1

Question 16

Number of groups is known apriori in:

Select one:

○ clustering

○ preprocessing

○ outlier

◉ classification

Feedback

The correct answer is: classification

Question 17

Two sentences with no matching word will have a cosine similarity of 1.

Select one:

○ True

◉ False

Feedback

The correct answer is 'False'.

Question 18

50th percentile is same as

Select one:

○ weighted mean

◉ median

○ mean

○ midrange

Feedback

The correct answer is: median

Question 19

Holistic measure can be derived from distributive measures

Select one:

○ True

◉ False

Feedback

The correct answer is 'False'.

Question 20

Decision tree splitting decision can be made based upon information gain of the attributes, but not based upon entropy of the attributes.

Select one:

True

False

Feedback

The correct answer is 'False'.

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