

Coding Tech Life

Data Mining Quiz1 ISZC415 - BITS PILANI WILP MTEC

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1. 27, 0, 1, 2, 63, 61, 0, 13

The five number summary of the above sample is:

Select one:

- a. 63, 27, 13, 2, 0
- b. 0, 2, 13, 27, 63
- c. 0, 1, 13, 27, 63
- d. 0, 0.5, 7.5, 44, 63

Ans: d. 0, 0.5, 7.5, 44, 63

2. 50th percentile is same as

Select one:

- a. weighted mean
- b. midrange
- c. median
- d. mean

Ans: c. median

3. Validation set and test set contain the same samples.

Select one:

- True
- False

Ans: False

4. A boxplot can show outliers as small circles/points,

Select one:

- True
- False

Ans: True

5. Analysis of patterns for stock market prediction is an example of:

Select one:

- a. evolution analysis
- b. outlier analysis
- c. correlation
- d. characterization and discrimination

Ans: a. evolution analysis

6. Pearson's product moment correlation coefficient between two

variables can have values:

Select one:

- a. 0 or any positive number
- b. greater than or equal to -1 but less than or equal to +1
- c. greater than 0 but less than one
- d. 0 or positive but less than or equal to 1

Ans: b. greater than or equal to -1 but less than or equal to +1

7. Given two text documents, when we shuffle the words of any one of

the documents, the cosine similarity between the two texts will not change.

Select one:

- True

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False

Ans: True

8. If all the tuples in a data set belong to a single class, then its

gini index is:

Select one:

- a. 0.5
- b. insufficient information to say anything
- c. 0
- d. 1

Ans: c. 0

9. The mapping of a value by min-max normalization is always in the

range [0,1]

Select one:

- True
- False

Ans: False

10. We always predict some amount or number in this kind of problems:

Select one:

- a. classification
- b. preprocessing
- c. clustering
- d. regression

Ans: d. regression

11. Holistic measure can be derived from distributive measures

Select one:

- True
- False

Ans: False

12. If all the data values in a set of data are unique, then

Select one:

- a. there is no mode
- b. we can select any one number as mode
- c. the median is the mode
- d. all the numbers are modes

Ans: a. there is no mode

13. A boxplot is nothing but a visual representation of IQR

Select one:

- True
- False

Ans: False

14. 10, 2, 3, 4, 5, 3, 4, 6, 2

How many modes are there?

Select one:

- a. 2
- b. 1
- c. 3
- d. 4

Ans: c. 3

15. 10, 2, 3, 4, 5

The midrange of the above sample set is:

Select one:

- a. 3
- b. 6
- c. 7.5

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d. 4

Ans: b. 6

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2 comments:



navalkishoreb February 10, 2017 at 9:21 AM

<https://www.youtube.com/watch?v=QI0oaZ-WTvU>
For Question answer seems to (d) 0, 0.5, 7.5, 44, 63

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navalkishoreb February 10, 2017 at 9:41 AM

<http://www.physics.csbsju.edu/stats/box2.html>
box plot can show outliers as small circles..

<http://stats.stackexchange.com/questions/70801/how-to-normalize-data-to-0-1-range>

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