Probability & Statistics - Set 1

This quiz represents questions to test your understanding of probability & statistics fundamentals.

Q: The random variable that could take only a finite set of values is called as

- (•) Discrete variable
- ( ) Continuous variable

Q: The random variable that could take any value of a given interval is called as

- ( ) Discrete variable
- (•) Continuous variable

Q: The possible outcomes of a coin can be termed as

- (•) Discrete
- ( ) Continuous

Q: For a discrete probability distribution, if a random variable, X, takes values of 2 and 3 with probabalities 0.3, 0.6 respectively, then the expected value, E(X), is

- ( ) 0.9
- (•) 2.4

Q: For a random variable X, the mean is defined to be expected value, represented as, E(X)

- (•) True
- ( ) False

Score Card

Total no. of questions: 10

No. of questions attempted: 10

Show Score

Show Answers

Q: For the dataset, 13, 4, 7, 10, 5, the mean is

- ○ 7.5
- ◉ 7.8
- ○ 8

Q: For the dataset, 13, 4, 7, 10, 5, the median is

- ○ 7.8
- ○ 5
- ○ 7
- ○ 7.5

Q: For the dataset, 13, 4, 7, 10, 7, 5, the mode is

- ○ 7.5
- ◉ 7
- ○ 5
- ○ 10

Q: For the dataset, 13, 4, 7, 10, 8, 5, the median is

- ◉ 7.5
- ○ 7
- ○ 5
- ○ 8

Q: For the dataset, 13, 4, 7, 10, 8, 5, the first quartile is represented by

- ○ 4.5
- ○ 4.25
- ○ 4.75
- ○ 5