

1.

Questionnaire survey method is used to collect

- (A) Secondary data
- (B) Qualitative variable
- (C) Primary data
- (D) None of the given options

Correct Option(s): C

2. Which of following is true about the relationship between mean and variance of Poisson distribution?

- (A) Mean is greater than variance
- (B) variance is greater than mean
- (C) both are equal
- (D) None of the given options

Correct Option(s): C

3. The minimum value in the class limit is called

- (A) Primary limit
- (B) upper limit
- (C) lower limit
- (D) secondary limit

Correct Option(s): C

4. Individual respondents and focus groups are categorised as

- (A) Primary Data Sources
- (B) Secondary Data Sources
- (C) Itemised Data Sources
- (D) Pointed Data Sources

Correct Option(s): A

5. The number of observations in a particular class is called

- (A) Width of the class
- (B) Class mark
- (C) Frequency
- (D) None of the given options

Correct Option(s): C

6. When an investigator uses the data which has already been collected by others, such data is called

- (A) Primary data
- (B) Raw data
- (C) qualitative data
- (D) secondary data

Correct Option(s): D

7. The length of the class interval is

- (A) The difference of upper limit and lower limit
- (B) The sum of lower limit and upper limit
- (C) The product of lower limit and upper limit
- (D) None of the given options

Correct Option(s): A

8. The value lying half way between the upper limit and lower limit of the class is

- (A) Class interval
- (B) Mid point
- (C) Frequency
- (D) None of the given options

Correct Option(s): B

9. For which distribution mean, median and mode are equal

- (A) Binomial Distribution
- (B) Poisson Distribution
- (C) Normal Distribution
- (D) None of the given options

Correct Option(s): C

10. Classes in which upper limits are excluded from the respective classes and are included in the immediate next class are

- (A) Open end classes
- (B) Close end classes
- (C) Inclusive classes
- (D) Exclusive classes

Correct Option(s): D

11. _____ is one which is collected by the investigator himself for the purpose of a specific inquiry or study

- (A) Secondary data
- (B) Primary data
- (C) Published data

(D) Unpublished data

Correct Option(s): B

12.

Variables such as weight and length are examples of

(A) Continuous data

(B) discrete data

(C) qualitative data

(D) None of the given options

Correct Option(s): A

13.

The number of family members is an example of

(A) Continuous data

(B) discrete data

(C) qualitative data

(D) None of the given options

Correct Option(s): B

14.

The mean of a distribution is 10 and the standard deviation is 5. What is the value of the coefficient of variation?

(A) 60.40%

(B) 48.30%

(C) 35.70%

(D) 50%

Correct Option(s): D

15.

Which one is the **NOT** the measure of dispersion ?

(A) Range

(B) Variance

(C) Mode

(D) Standard deviation

Correct Option(s): C

16.

Histogram is used for

- (A) Continuous data
- (B) discrete data
- (C) qualitative data
- (D) None of the given options

Correct Option(s): A

17. Range of 1,2,3,4,10 is

- (A) 1
- (B) 4
- (C) 10
- (D) 9

Correct Option(s): D

18.

The height of a student is 60 inches. This is an example of

- (A) Continuous data
- (B) discrete data
- (C) qualitative data
- (D) None of the given options

Correct Option(s): A

19. Which one of the following measure divides a given set of observations into two equal parts?

- (A) Mean
- (B) Mode
- (C) Median
- (D) None of the given options

Correct Option(s): C

20.

Which of these represent qualitative data

- (A) gender
- (B) height
- (C) weight
- (D) Income

Correct Option(s): A

21. What is the arithmetic mean of the data set: 1,2,3,4,5,6,7,8 and 9 ?

- (A) 1

(B) 5

(C) 3

(D) 4

Correct Option(s): B

22. The median of the data set 50, 1, 10, 19, 15, 3, and 2

(A) 10

(B) 19

(C) 50

(D) 1

Correct Option(s): D

23.

The mean of 10 numbers is 9, then the sum (total) of these numbers will be

(A) 90

(B) 9

(C) 10

(D) None of the given options

Correct Option(s): A

24. The sum of values divided by their number is called

(A) Median

(B) Harmonic Mean

(C) Mean

(D) Mode

Correct Option(s): C

25. The most repeated value in a data set is called

(A) Median

(B) Harmonic Mean

(C) Mean

(D) Mode

Correct Option(s): D

26. Data must be arranged either in ascending or descending order if some one wants to compute

(A) Harmonic Mean

(B) Mean

(C) Mode

(D) Median

Correct Option(s): D

27.

_____ is the measure of average which can have more than one value.

- (A) Mode
- (B) Harmonic Mean
- (C) Median
- (D) Mean

Correct Option(s): A

28. Which of the following describe the middle part of a group of numbers?

- (A) The Measure of Dispersion
- (B) The Measure of Association
- (C) The Measure of Central Tendency
- (D) None of the given options

Correct Option(s): C

29. If mean, median, and mode are all equal then distribution will be

- (A) Symmetrical
- (B) Asymmetrical
- (C) Skewed
- (D) None of the given options

Correct Option(s): A

30. In symmetrical distribution, mean, median, and mode are

- (A) Different
- (B) Equal
- (C) Zero
- (D) None of the given options

Correct Option(s): B

31. The shape of symmetrical distribution is _____

- (A) U shaped
- (B) S shaped
- (C) J Shaped
- (D) Bell Shaped

Correct Option(s): D

32. A numerical value used as a summary measure for a sample, such as a sample mean, is known as a

- (A) Population Parameter
- (B) Population Mean
- (C) Sample Statistic
- (D) None of the given options

Correct Option(s): C

33. Which of the following cannot be the probability of an event?

- (A) 0
- (B) 0.5
- (C) 1
- (D) 1.5

Correct Option(s): D

34. Which of the following cannot be the value of a correlation coefficient?

- (A) 0
- (B) 0.5
- (C) 1
- (D) 1.5

Correct Option(s): D

35. What is standard deviation of the data set: 1, 1, 1, 1, and 1

- (A) 0
- (B) 1
- (C) 0.5
- (D) 0.75

Correct Option(s): B

36.

What is the average of 3%, 7%, 10%, and 16% ?

- (A) 3%
- (B) 7%
- (C) 10%
- (D) 9%

Correct Option(s): D

37. The mean and standard deviation of standard normal distribution is _____ and _____ respectively

- (A) 0,1
- (B) 1,0
- (C) 0,0

(D) 1,1

Correct Option(s): A

38. Which statistical test is used to compare group means in a sample ?

(A) Correlation

(B) Regression

(C) Covariance

(D) t-test

Correct Option(s): D

39. Which distribution is mostly used in Inferential statistics?

(A) Binomial Distribution

(B) Poisson Distribution

(C) Normal Distribution

(D) None of the given options

Correct Option(s): C

40. Spearman rank correlation coefficient is alternative for

(A) Chi Square test

(B) Binomial test

(C) Karl Pearson correlation coefficient

(D) None of the given options

Correct Option(s): C

41. Statistical Analysis helps in transforming raw data into _____

(A) Table

(B) Graph

(C) Information

(D) None of the given options

Correct Option(s): C

42. The unusual measure of central tendency is

(A) Harmonic Mean

(B) Mean

(C) Mode

(D) Median

Correct Option(s): C

43. The measure of central tendency which always exist

(A) Harmonic Mean

- (B) Mean
- (C) Mode
- (D) Median

Correct Option(s): D

44. The measure of dispersion which is based on only minimum and maximum value of the given data set is

- (A) Range
- (B) Variance
- (C) Standard Deviation
- (D) Inter Quartile Range

Correct Option(s): A

45. The range of 1,1,1,1,1,1,1 is

- (A) 1
- (B) 1.5
- (C) 0.5
- (D) 0

Correct Option(s): D

46. Correlation Coefficient between same variable is

- (A) 1
- (B) 0
- (C) Either 1 or 0
- (D) None of the given options

Correct Option(s): A

47. The maximum value of probability can be

- (A) -1
- (B) 0
- (C) 1
- (D) 0.5

Correct Option(s): C

48.

The minimum value of Karl Pearson correlation coefficient is

- (A) -1
- (B) 0
- (C) 1

(D) 0.5

Correct Option(s): C

49. The maximum value of Spearman's rank correlation coefficient is

(A) -1

(B) 0

(C) 1

(D) 0.5

Correct Option(s): C

50. When the variables have extreme values, we should use

(A) Spearman Rank Correlation Coefficient

(B) Karl Pearson correlation coefficient

(C) Kendall's Tau

(D) Any of the given options

Correct Option(s): A