Med biostatistics

1. **Duning 10 months, me number of cholera cases in an area was 20, 20, 50, 56, 60, 5000, 678, 858, 345, 456 The Desk central tendency measurement is? Select one**

a. Mean

b Range

C. Median

d. Mode

e .SD

2. **A distribution which has more than one point of concentration is called?**

Select one

a Positively skewed

b. Multi modal

c. Negatively skewed

d. Little Kurtosis

E. Symmetrical

3. The state or quality of fatness of peakedness of a distribution called

Select one

a. Multimodal

b.positively skewed

C. Kurtosis

d. Symmetrical

e. Negatively skewed

4. The median is?

Select one

a. The difference between the largest and the smallest value of observations

b.The values that occurs most frequently in a set of data

c.It is the sum of all observation divided by number of observations

d. It is the middle value in ordered array data

e. a measure of variation

5. Which is INCORRECT statement regarding the standard normal distribution?

Select one

a.Mean equal to zero

b.Standard deviation equal to 1

C. Standard normal distribution may be not symmetrical

d. For a distribution to be normal, a certain proportion of the entire area must occur between specific values of the standard deviation

e. Standard normal distribution have a graph and equation

6. It the birth weight of each of the 100 babies born in a hospital during a April was found to be 2 25 kg then me standard deviation of this sample will be

a 2.25

b. 0

c.1

d.025

e.0025

7. distribution is relatively flat in the middle and has thin tail, described as?

Select one

a. Negatively skewed

b. Positively skewed

C. Little Kurtosis

d Multimodal

e Symmetrical

8. In this set of data 8, 4, 6, 2, 6, 9, which of the followings is the median?

Select one

a 5.5

6.5

C. 6

d. 8

e 45

9. Assume that the test scores of 600 students are normally distributed with a mean of 76 and a standard deviation of 8 The number of students scoring between 70 and 82

Select one

a 55

b. 455

c.244

d. 328

e. can't be calculated

10. The best graph to display patients' temperature chart is?

Select one

a. Clustered bar chart

b. Stacked bar chart

C.Pie chart

d. Line graph

O. e Histogram

11. 1000 students in Jordanian university Took a standardized test that is normally distributed and has a mean of 350 and a valance of 225 here are the scores for 3 students Sara scored 350, Murad scored 320 and Khalaf 390: What proportion of me students would be expected to score below Murad?

Select one

a. 0.0227

b. 0.0690

c.0.9350

d.0.9773

e 0.0440

12. The proportion of area under normal curve between z equal to –1.16 and the mean is?

Select one

a.11.79%

b .61.79 %

c. 37.7%

d.50%

e.Can't be calculated

13. 1000 students in Jordanian university took a standardized test that is normally distributed and has a mean of 350 and a variance of 225 here are the scores for 3 students: Sara scored 350 Murad scored 320 and Khalaf 390 in this sample how many students would be expected to score above Khalaf

Select one

a. 12

b. 4

c.8

d. 60

e.100

14. The type of the information family size" is?

Select one

a Qualitative nominal

b. Qualitative Ordinal

c. Quantitative discrete

d. Quantitative continuous

e Constant

15. For a quantitative discrete variable interval of family size (3-5), the width is?

Select one

a 45

b. 5

C. 4

d. 2

e. 3

16. Standard deviation of the sampling distribution of averages (means) called?

Select one

a Standard Error

b. Standard deviation

c. Sampling probability

d. Variance

e Sample size

17. In this set of data 4 9 6 3 1 7, which of the following is the mean?

Select one:

a 5.5

b. 5

C. 6

d. 8

e 4.5

18.A random sample is used to have the following EXCEPT?

Select one

a. To eliminate the selection of bias

b. To make the sample representative to the population

c. To give every member in the population the same probability of selection

d. To have a small sample size

e. To give every member of the population an equal chance of choosing

19. In a group of 100 women the mean weight of is 60 kg. The standard deviation is 125 kg Which one of the following is true?

Select one

a. 95% of all women weight between 55 and 65 kg

b.95% of all women weight between 57.5 and 62.5 kg

c.99% of all women weight between 55 and 65 kg

d.99% of all women weight between 57.5 and 62.5 kg

e. 68% of all women weight between 55 and 65 kg

20. In a sample of 16 adolescent females their mean hemoglobin level estimated as 10 mg/dl with a Standard deviation of 1 g/L what is the Standard error?

Select one:

a. 1 g/L
b. 0.062 g/L
c. 0.25 g/L
d. 16 g/L
e. 4 g/L

21. Normal distribution curve is a type of?

Select one

a. Line Graph

b. Frequency polygon (Histogram)

C. Bar Graph

d. Pie Chart

e. Scatter Diagram

22. Covering 95% of the population under the normal distribution curve we have to?

Select one:

a. Move one S. E above and one SE below mean

b. Move 1.645 S.E above and below the mean:

C. Move 1.96 S.E above and below the mean

d. Move 2 58 SE above and below the mean

e. Move 3 S.E above and 3 S. E below mean

23. In the normal distribution curve, the mean+- 3 standard deviations cover?

Select one:

a. 60%

b. 65%

c. 95%

d. 99%

e. 5%

24. For a quantitative continuous variable interval of weight in kg (60-70), the width is?

Select one

a. 9

b. 10

c.8

d. 11

e. 9.5

25. The type of the information (number of kidneys in the population) is?

Select one

a Quantitative discrete

b. Constant data

C. Qualitative nominal

d. Quantitative continuous

e Qualitative Ordinal

26. For quantitative continuous variable interval of weight in kg (60-70). the real limit is?

Select one:

a 60-70

b. 61-59

C. 60.5-70.5

d. 59.5-70.5

e.59.5 - 70

27. Which is CORRECT statement regarding the symmetrical distribution?

Select one:

a Standard deviation equal to 1

b Mean equal to zero

c.Symmetrical distribution have a graph and equation

d. All Symmetrical Distibution's must be standard normal distributions

e A distribution is symmetrical if the mean, median and mode are at the same location

28. Methods of data collection include all the followings EXCEPT?

Select one

a Collected through comprehensive survey

b. Collected through sample survey

C. Collected through population census

d. Collected through hotels records

e. Collected through hospital records

29. For a quantitative continuous variable interval of weight in kg (60-70), the midpoint is?

Select one:

a. 65

b. 60

c.70

d. 65.5

e 66.5

30. In a hospital 19 births was occurred during one month, 9 babies weighed over 2.5 kg and weighed less than 25 kg What value do25 represent?

Select one

a.Range

b.Standard deviation

c.Median

d. Mode

e. Variance

31. The correct answer regarding the marks of 9 students, 30, 51, 51, 51, 35, 58, 45, 38, 41 is?

Select one

a. Mean is 31

b. Range is 30-58

C. Median is 15

d. Mode is 15

e. Mode is 58

32. Differences in the sampling results of the same population is called?

Select one

A.Sampling Error

b. Coefficient of Variance

c. Mue

d. Standard Error

e. Range

33. Normal distribution curve is determined by?

Select one

a. Interquartile range and mean

b. Mode and Standard deviation

c. Mode and median

d. Standard deviation and median

e. Mean and Standard deviation

34. The body weight of 60 students are arranged in ascending order middle value is?

Select one

a. Arithmetic Mean

b. Median

c. 30th percentile

d. 31st percentile

e. Mode

35. Standard deviation is the measure of ?

Select one

a Difference between highest and lowest values

b. Central tendency

c. Deviation from mean value

d. Chance

e Measure of value with highest frequency

36. The value in a series of data with a highest frequency is termed as?

Select one

a Mean

b. Standard error

c. Median

d.Mode

e. Range

37. Number of students is a?

Select one

a. Nominal data

b. Ordinal data

c. Interval data

d. Continuous data

e.Discrete data

38. Variation between the highest and lowest values in a set of data is termed as?

Select one:

a. Mid-point

b. Standard Deviation

C. Class Interval

d. Range

e Standard error

39. The mean body weight in a group of 100 male medical students is 70 kg with a SD of 5 kg Trus the 99% confidence interval of the population mean is ranging?

Select one

a 69-71 kg

b. 69.2-70.98 kg

C.65-75 kg

d. 55-85 kg

e. 68.71- 71.29kg

40. Gaussian distribution are characterized by all of the following EXCEPT?

Select one

a. It is bell shaped, continuous curve

b. The traits never touch the base

c.The mean mode and the median values are equal to one

d.It is described by two parameters the mean and standard deviations

e.About 68% of me probability under the curve tables within one standard deviation around the mean