

STATISTICS

1. The mean of the first 'n' natural numbers is _____ (June 2009)
2. Range of first 20 natural numbers is _____ (March 2009)
3. The formula for the arithmetic mean by the deviation method is _____ (June 2008)
4. The class interval of the frequency distribution having the classes 1-8, 9-16, 16-24 is _____
5. The arithmetic mean 39 and mode 34.5 then the median is _____ (June 2008)
6. The mid value of the class is used to calculate for _____ (March 2007)
7. For 20,30,20,30,40,10,50 Mode of the score is _____ (June 2006)
8. The Median of scores $x_1, x_2, 2x_1$ is 6 and $x_1 < 2x_1 < x_2$, then $x_1 =$ _____ (March 2006)
9. The arithmetic mean of $a-2$, a and $a+2$ is _____ (June 2005)
10. The value of Δ_1 While calculating the mode in delta method is _____
11. 1-8, 9-16, 17-24, are _____ classes.
12. Formula for grouped data of Median is _____
13. In a histogram, the breadths of the rectangles represent the _____
14. For the construction of a frequency polygon _____ and frequencies are taken into considaration.
15. In the frequency distribution with classes 1-10,11-20,..... the upper boundary of class 1-10 is _____
16. The median of $\frac{3}{4}, \frac{1}{2}, \frac{2}{3}, \frac{1}{6}, \frac{7}{12}$ is _____
17. If the mean of the data 12,15,x,19,25,44 is 25 then $x =$ _____
18. The relation among mean, median and mode is _____
19. The upper boundary of a class is 30. Class interval is 10. Lower boundary of the class is _____
20. Cumilative frequencies are used to measure in _____
21. The most common and widely used measure is _____
22. Father of statistics is _____
23. Given data, frequency of modal class
 $f = 36, f_2 = 24$ then $\Delta_2 =$ _____
24. The average which is not affected by the extraction value is _____
25. The median of 7,5,7.5,5.5,6,6.5 is _____
26. The mean of 10 observations is 7 and the mean of 15 observation is 12 then the mean of all observations is _____
27. Mid value of the class 1-10 is _____
28. In a frequency distribution, the mid value of a class is 35 and the lower boundary is 30 then upper boundary is _____
29. 0-10,10-20,20-30 are _____ type of classes.
30. Unlike mean , median is not affected by the _____ observations
31. $A.M = A + \frac{\sum fx}{N} \times c$ where A is called _____
32. In a data having two modes, then it is called _____
33. Sum of 20 observations is 420 then the mean is _____
34. The difference between two consecutive lower limits of the class is _____
35. Circular diagram consists of _____
36. The mode of 4,8,9,p,2,6,4,9 is 9 then $p =$ _____
37. The Arithmetic mean of sum of the even natural numbers is _____
38. The median of natural numbers from 1 to 9 is _____
39. A Histogram Consists of _____
40. In a distribution
 $\Delta_1 = 6, \Delta_2 = 4, c = 10$ and $L=25$ then mode = _____

KEY

1. $\frac{(n+1)}{2}$
2. 19
3. $A + \frac{1}{N} \sum f_i \mu_i \times c$
4. 7
5. 37.5
6. Arithmetic mean
7. 20, 30
8. 3
9. a
10. $f - f_1$
11. inclusive
12. $L + \frac{\frac{N}{2} - F}{f} \times c$
13. class intervals

14. Midvalues of the classes
15. 10.5
16. $\frac{7}{12}$
17. 35
18. Mode = 3Median-2A.M
19. 20
20. Median
21. Arithmetic mean
22. Sir Ronald A. Fisher
23. 12
24. Median
25. 6.25
26. 10
27. 5.5
28. 40
29. Exclusive
30. Extreme
31. Assumed mean
32. Bi modal
33. 21
34. Class interval
35. Sectors
36. 9
37. (n+1)
38. 5
39. Rectangles
40. 31

Important Questions

4 Marks

1. Calculate the A.M for the following data by deviation method?
2. Find the median for the following data ?

2 Marks

1. The mean of 20 observation is 135. By an error, one observation is registered as-25 instead of 25 . Find the correct mean?
2. Write four merits of the Arithmetic mean ?
3. The mean and median of Uni-modal grouped data are 72.5 and 73.9 respectively. Find the mode of the data?
4. Observations of some data are $\frac{x}{5}, x, \frac{x}{4}, \frac{x}{2}$ and $\frac{x}{3}$ where $x > 0$. If the median of the data is 8. Find the value of 'x'?
5. The observations of an ungrouped data are x_1, x_2 and $2x_1$ and $x_1 < x_2 < 2x_1$. If the mean and median of the data are each equal to 6. Find the observations of the data?

1 Mark

1. The mean of 9,11,13,P,18,19, is P. Find the value of 'P'?
2. Find the mode of the data 12, 11, 15, 12, 11, 15, 12, 9, 12?
3. Write two properties of mode?
4. A.M= x, Median= y find mode of the data?
5. Find the median of the observations 1.8, 4.0, 2.7, 1.2, 4.5, 2.3 and 3.7?
6. The observation of an ungrouped data in the assending order is 12, 15, x, 19, 25. If the median of the data is 18 find the value of 'x'?