

Statistics - ICS Part 1 Statistics Chapter 3 Short Questions Preparation

Q1. Write two properties of Harmonic Mean.

Ans 1: 1- It is based on all the values.

Ans 2: 2- It is capable of further algebraic manipulation.

Q2. What is meant by Percentile?

Ans 1: The values which divide an array data into one hundred equal parts are called percentiles.

Q3. Find the mode and median of letter STATISTICS.

Ans 1: The mode of STATISTICS are S and T and median is S by arranging data

Q4. In single peaked symmetrical distributin mean = 5, median = 5 than what willbe the value of mode.

Ans 1: Mode is also 5

Q5. What are the disirable qualities of a good average.

Ans 1: 1- It should be clearly defined preferably by a mathematical formula.

Ans 2: 2- It should be simple to understand and easy to calculate.

Ans 3: 3- It should be based on all the observations

Ans 4: 4- It should not be unduly affected by extremely large or extremely small observations.

Ans 5: 5- It should be capable of algebraic mainpulation.

Q6. Write merits of mode

Ans 1: 1- It is simple to understand and easy to calcualte.

Ans 2: 2- It is not affected by extremely large or extremely small values.

Q7. Define Deciles.

Ans 1: The values which divide the array data into ten equal parts are called deciles.

Q8. Give the common advantage and a common disadvantage of the median and the mode.

Ans 1: A common advantage of the mode and the median is that they are not affected by extremely small or extremely large values.

Ans 2: A common disadvantage is that both are not based on all the values of the distribution.

Q9. Find mode and median of letter "STATISTICS"

Ans 1: Mode = S and T For median arrange the letters. A, C, I, I, S, S, S, T, T, T Median = Mid value = S

Q10. Compute the median for the data -2,5,0,-1,4,2

Ans 1: Arranging the data.

Ans 2: -2,-1,0,2,4,5

Ans 3: Median = $0 + 2 / 2 = 1$
