Statistics - ICS Part 1 Statistics Chapter 3 Short Questions Preparation

Q1. Find mode from the give data.:4,4,5,5,6,6,6.5.6.7.7

Ans 1: Mode = 5

Q2. What is the median letter of word "FREQUENCY"?

Ans 1: Arrange the lettersC,E,E,F,N,Q,R,U,Ymedian-mid values =N

Q3. Descibr the empirical relation between the mean, median and mode.

Ans 1: For unimodal frequency curves whihc are moderately skewed, we have the Mean- Mode = 3 (Mean - Median)

Q4. If Mean =20 and Median=18.6 find mode using the formula connecting them.

Ans 1: Mode =3 median -2 Mean=3(18.6)-2(20)Mode =15.8

Q5. What is the merits and demerits of median.

Ans 1: Merits :1.It is quick to find.2.It is not much affected by large or small values.Demerits:1.It is not rigidly defined.2.It is not based on all the values.

Q6. Find the mode of 3,3,7,8,11,10,12

Ans 1: Mode = 3,10

Q7. 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.

Q8. 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

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Q9. Give important advantages and disadvantages of the mean.

Ans 1: Int is the most commonly used average. It is unique becasue every distribution has one and only one mean.

Ans 2: Its main disadvantage is that it is affected by extreme values that are not representative of the rest of the data.

Q10. Write two merits of G.M.

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

Ans 2: 2- It gives equal weight to all the values.