20161224_Batch 24_CSE 7315c_Fundamentals of Probability and Statistical Methods _WUQ01

1. A data set has values 12, 14, 20, 7 and an unknown value, x. If the mean is 12.8, what is the value of x?   (1 Marks)
    a. 13
    b. 14
    c. 11
    d. 10

2. What is the median for the following data points?

    3, 13, 7, 5, 21, 23, 54,40,23,14   (1 Marks)

    a. 17.5
    b. 23
    c. 29
    d. 25

3. Classify below variables into Nominal, Ordinal & Numeric   (3 Marks)

    1. Percentage return on a stock (Numeric)
    2. Time (Numeric)
    3. Aadhaar numbers (Nominal)
    4. Ethnicity (Nominal)
    5. Fortune 50 rankings (Ordinal)
    6. Movie ratings (Ordinal)

4. Mark as TRUE or FALSE   (5 Marks)

    a. Collecting data from the whole population of interest is called 'Survey' (FALSE)
    b. A descriptive measure extracted from total population is called 'Statistic' (FALSE)
    c. Inductive Statistics is the data gathered from a group to reach conclusions about the same group (FALSE)
    d. Descriptive Statistics is the statistics generated to reach conclusions about the population from a sample data collected (FALSE)
    e. Standard Deviation of sample is represented by the Roman letter 's' (TRUE)