

AI1110 Assignment 1

K. Rajesh, CS18BTECH11023

ICSE class 10 paper 2014 Q4 (a)

The numbers 6,8,10,12,13 and x are arranged in an ascending order. If the mean of the observations is equal to the median, find the value of x.

Solution:

From the given information we can know the median of the data.

$$\text{Median} = (10 + 12)/2$$

$$\text{Median} = 11 = \text{Mean}$$

$$\text{Mean} = (6 + 8 + 10 + 12 + 13 + x)/6$$

$$11 \times 6 = 49 + x$$

$$\boxed{x = 17}$$