

Assignment Problems on Mean and Standard Deviation of Continuous Data

Problem Statement 1: Mean of Continuous Data

Problem: Find the midpoints for each class interval, calculate the weighted sum of midpoints and frequencies and compute the mean of the marks of the continuous group data

Class Interval (Marks)	Frequency (f)
0 – 10	5
10 – 20	10
20 – 30	15
30 – 40	12
40 – 50	8

Problem Statement 2: Standard Deviation of Continuous Grouped Data

Problem: The following table shows the distribution of heights (in cm) of a sample of 40 students. Calculate the standard deviation of continuous grouped data

Height (cm) Class Interval	Frequency (f)
100 – 110	6
110 – 120	12
120 – 130	10
130 – 140	8
140 – 150	4