

## Assignment (2)

Q)  $x = \{ 24, 25, 26, 27, 28, 90, 100, 1000, 1200, 1400, 1400, 1400 \}$ .

Calculate mean, median & mode.



$$\begin{aligned}
 A1. \quad \mu &= \sum_{i=1}^N \frac{x_i}{N} \\
 &= \frac{24 + 25 + 26 + 27 + 28 + 90 + 100 + 1000 + 1200}{12} \\
 &\quad + 1400 + 1400 + 1400 \\
 &= \frac{6720}{12} = 560 \text{ A.}
 \end{aligned}$$

median = Step ①  $\because$  No. is already sorted.

Step ② = Central No.

No. of element = 12 even

Avg. of central elements

$$= \frac{90 + 100}{2} = 95 \text{ A.}$$

mode = most frequent no. = 1400 A.