Unit : Displaying and comparing
Quantitative Data

1. Displaying Quantitative Data with graphs

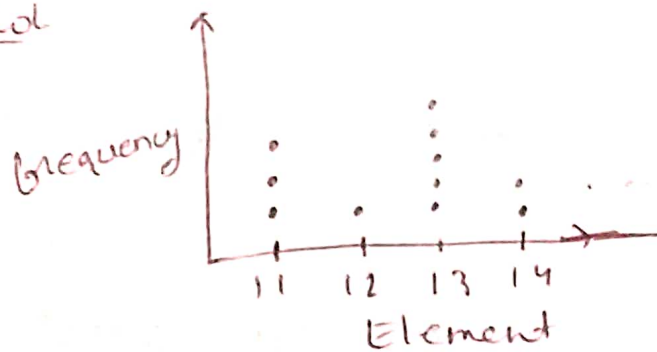→ Frequency table and dot plot

Initial data → 12, 11, 13 · · · (List of number) · · ·

Frequency table →

Element	frequency
11	3
12	1
⋮	1

Dot too plot

→ **Histograms**

Initial data → · · · · List of number · ·

make a table →

Bucket	frequency
0 - 9	10
10 - 19	6
20 - 29	8
⋮	⋮

⟹ make a histogram

0-9   10-19   20-29

⟍ Same width ⟋
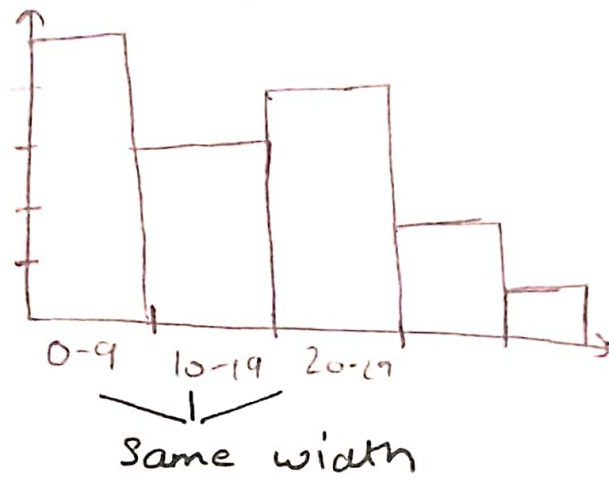
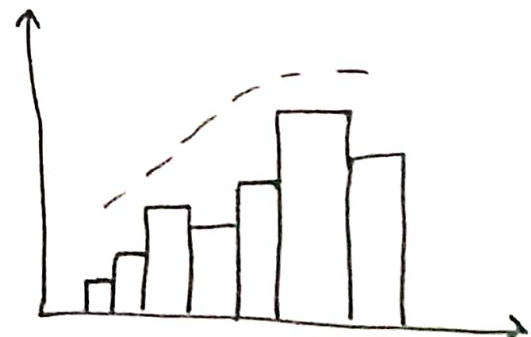⟹ **Stem** & **leaf**

```
0 |
1 | 2 3 (5) ⟶ 15
2 | 0 0 5 7 8
3 | 2 6 (7) 8 ⟶ 37
4 | 0 (3) ⟶ 43
```

2. Describing & comparing distributions ⟹

↳ Right tailed
Skewed to right

left tailed,
Skewed to left

Shapes of distribution

peak

cluster

outlier