Five Number Summary

Minimum Skemoving the Outlooks

- @ First Quartile (Q1)
- 3 Median Box plot
- (4) Third Quartile
- @ Maximum

① Dataset {Remove an outlier} [1,2,2,2,3,3,4,5,5,5,6,6,6,6,7,8,8,9,27] $[-3 \leftrightarrow 13]$

[Lover Fence
$$\leftarrow$$
 Higher Fence]

Higher Fence = Q3+1.5 (IQR)

Q[(25%) =
$$\frac{Porientile}{100} \times (n+1) = \frac{25}{100} \times (19+1)$$

$$= 5^{-th} \text{ Index} = 3$$

$$(3) (75\%) = \frac{75}{160} \times (30)^{1} = 15^{-th} \text{ Index} = 7$$

$$= 5^{-th} \text{ Index} = 3$$

four Fence = Q1 - 1.5 (IQR)
= 3 - 1.5 (4) = 3-6 = -3

Highke Fence = Q3 + 1.5 (JQR)
= 7 + 1.5 (4) = 13

27 is an outlier

1,2,2,2,3,3,3,4,5,5,5,6,6,6,6,7,8,8,9

- 1 Minimum = 1
- D Q1 = 3
- 3 Median = 5
- Q Q3 = 7
- @ Maximum= 9



