

Box & Whisker Plots

- A way to see the spread of the data points

5 Number Summary:

max: highest #

min: lowest #

median: middle # after data is put in order

Upper Quartile: median of top half of data (Q_3)

Lower Quartile: median of bottom half of data (Q_1)

mode: # occurs the most

mean: the average

Range: max - min

Example 1:

median
↓
Data \Rightarrow 5, 10, 16, 17, 18, 20, 32
bottom half upper/top half

5 number Summary

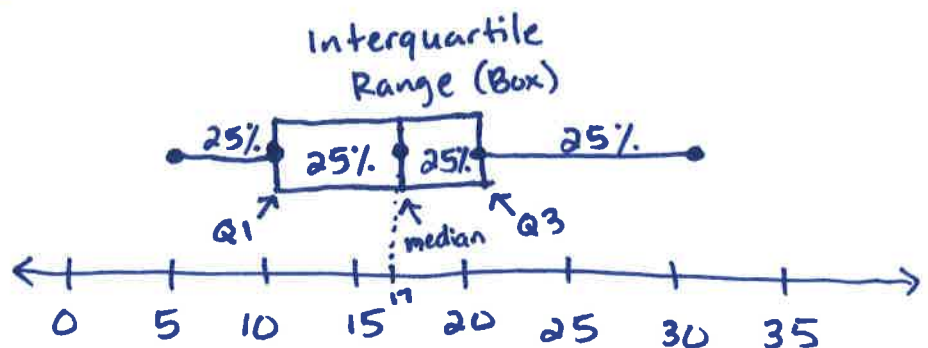
max: 32

min: 5

median: 17

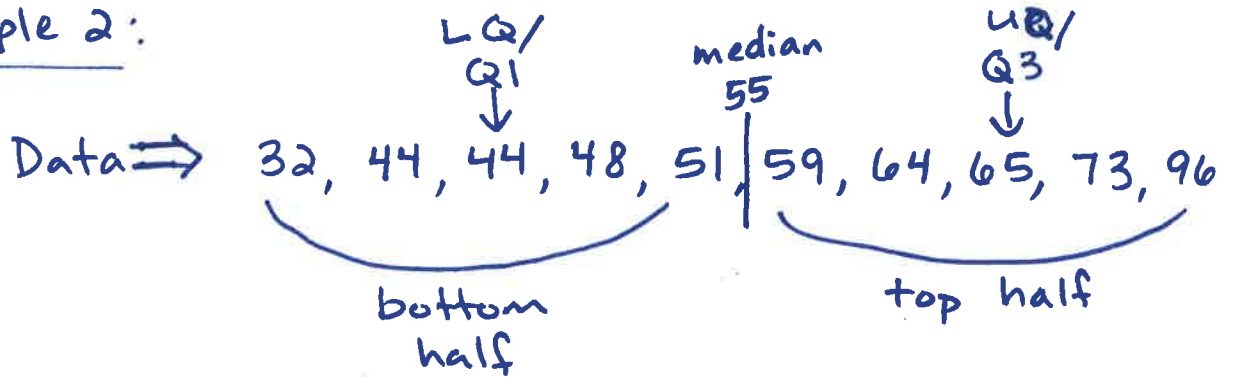
UQ: 20

LQ: 10



* Interquartile Range (Box) contains 50% of the data from Q_1 to Q_3 .

Example 2:



5 # Summary

max: 96

min: 32

median: 55

UQ: 65

LQ: 44

