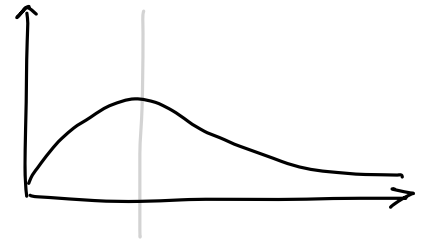
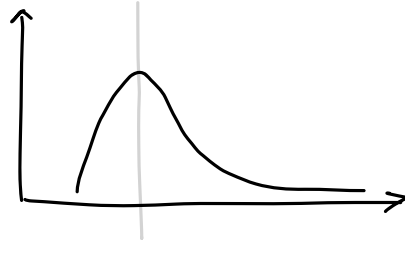


The Spread of a Dataset



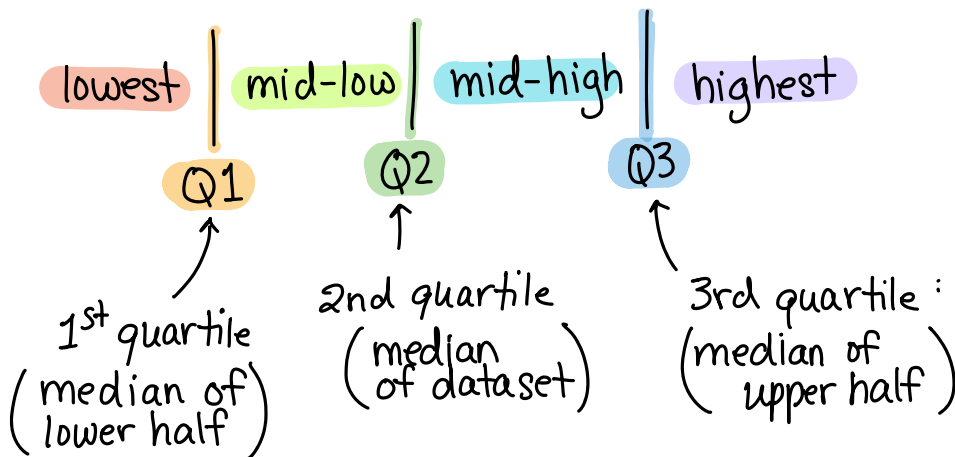
Several data sets may have same "_____" but different "_____".

Many Ways of Measuring Spread

- "Standard Deviation" (from the mean)
- Range : _____
- Interquartile Range (IQR)

Quartiles :

- divide data into four parts :



- in practice, first divide data into _____ & _____
 - if there are an _____ number of data points, we _____ in either half
 - Q1 is _____
 - Q3 is _____

Interquartile Range : _____

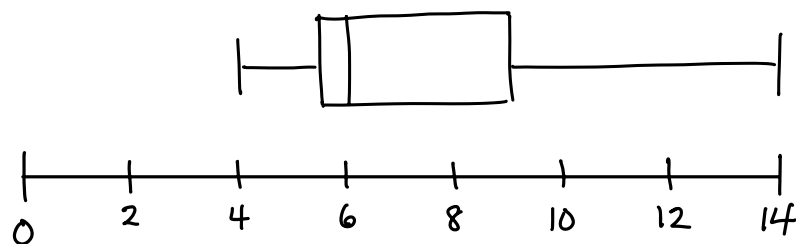
Five-Number Summary:

_____, _____, _____, _____, _____

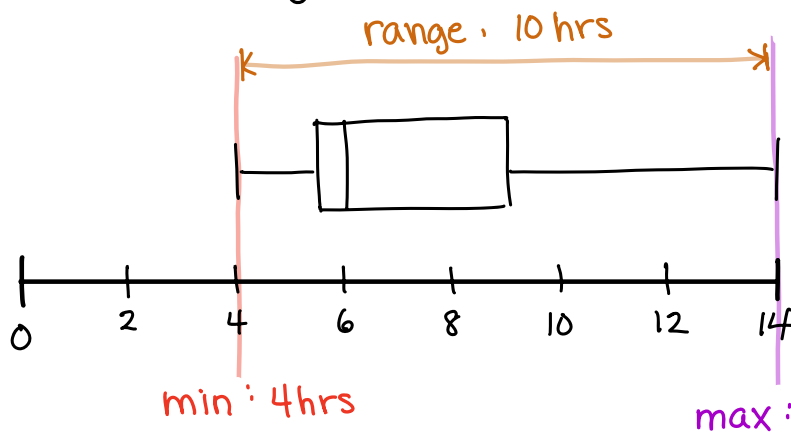
Boxplot or Box-and-Whisker Plot

• a visual representation of the five number summary

Ex Weekly study time (hrs) for seniors in high school:

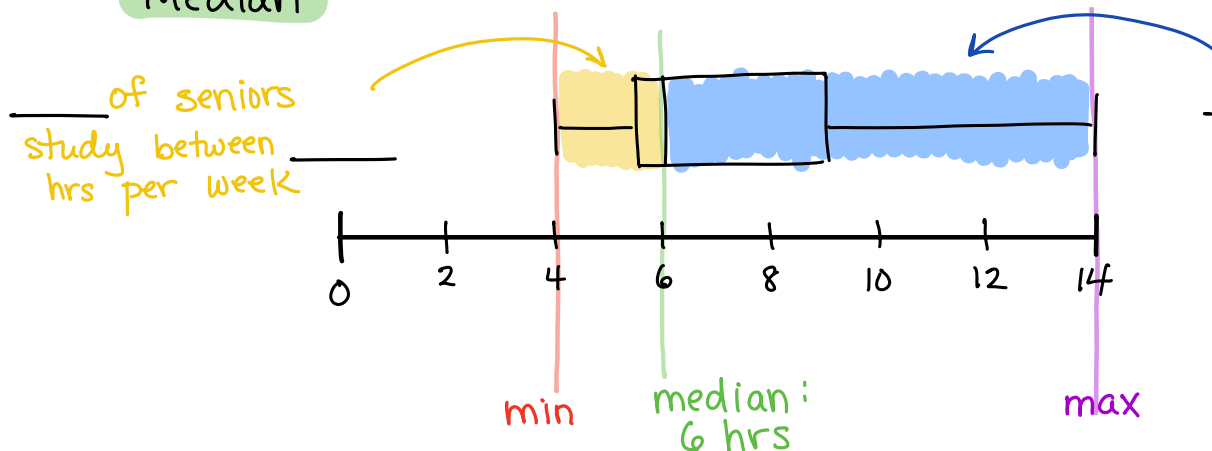


Max, min, & range:

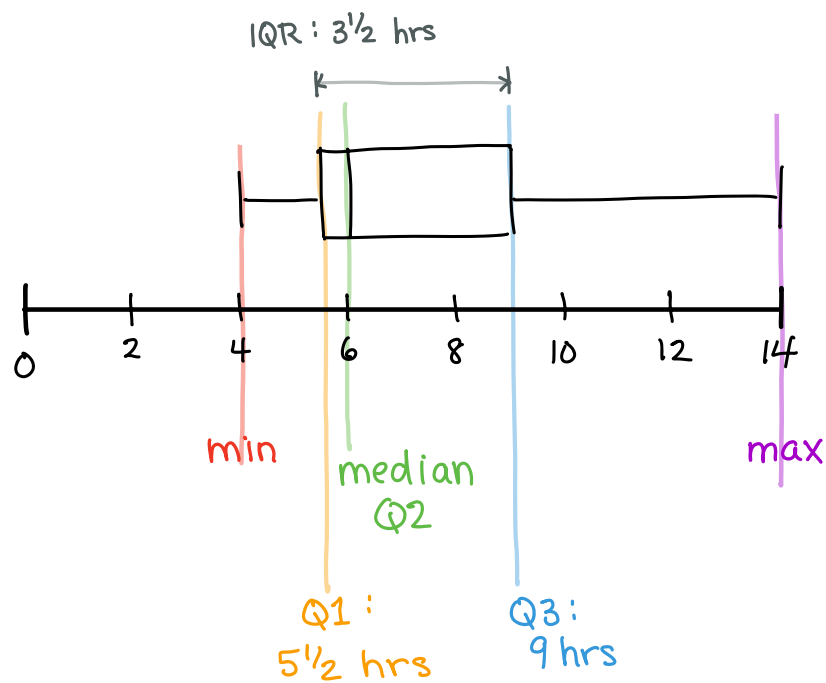


_____ seniors surveyed
study b/w _____
hours per week,
a range of _____.

Median



Quartiles & IQR



... meaning:

