



Symmetric Distribution



Skewed Distribution

median

quartiles

Measure of Center →

mean

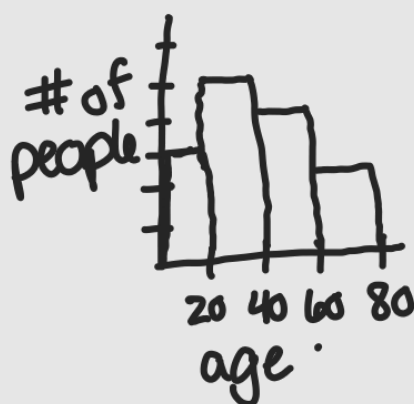
Spread →

Standard Deviation

Qualitative Data Bar Graph



Quantitative Data Histogram

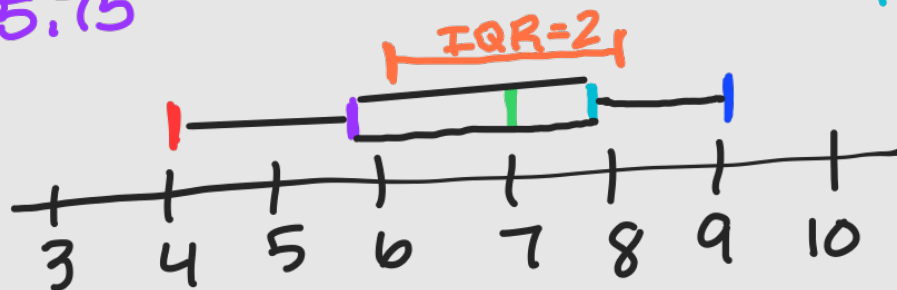


Data Set: Student Shoe Sizes

4 5 5 5 5.5 6 6 6 6 7 7 7 7.5 7.5 7.5 8 8 8.5 8.5 9

5.75

7.75



Minimum

Quartile 1

Median

Quartile 3

Maximum

4

6

7

8

9

Lowest data point

Middle of Lower half of the data

Middle data point

Middle of upper half of the data

Highest data point

Inter Quartile Range = $Q3 - Q1 = 2$