Measures of Central Tendency
Definition: Mean
Definition: Median—Odd number of measurements
Definition: Median—Even number of measurements
Definition Mode

EXAMPLES

Data Set One

$$\{1, 2, 3, 4, 5, 6\}$$

Mean	Median	Mode

Data Set Two

$$\{1, 2, 2, 4, 4, 5, 6\}$$

Mean	Median	Mode

Data Set Three

$$\{1, 4, 8, 13, 24, 36\}$$

Mean	Median	Mode

Data Set Four

$$\{1, 1, 1, 1, 4, 4, 64\}$$

Mean	Median	Mode

Quartiles
Lower Quartile (Q1)

Median (Q2)

Upper Quartile (Q3)

Box and Whiskers

EXAMPLES

Data Set One

{1, 2, 3, 4, 5, 6}

Q1= Lower	Q2 = Median	Q3 = Upper	Box and Whiskers

Data Set Two

{1, 2, 2, 4, 4, 5, 6}

Q1= Lower	Q2 = Median	Q3 = Upper	Box and Whiskers

Data Set Three

{1, 4, 8, 13, 24, 36}

Q1= Lower	Q2 = Median	Q3 = Upper	Box and Whiskers

Data Set Four

{1, 1, 1, 1, 4, 4, 64}

Q1= Lower	Q2 = Median	Q3 = Upper	Box and Whiskers

Interquartile Range

Outliers

Measures of Variability
Data Set Range
Standard Deviation (from calculator—use **σx** not Sx)