Types of Average: Measure of Spread:

    Mean   Range

    Median

    Mode

_____

Data Sample: 5, 9, 11, 6, 6, 8, 4

Mean: $\dfrac{5+9+11+6+6+8+4}{7} = \dfrac{49}{7} = 7$

Mean: Add up data and divide by number of data items

_____

Median: 4, 5, 6, ⑥, 8, 9, 11

          Median = 6

Median: Arrange data in order and choose middle item

_____

Mode = 6

Mode: The data item that occurs most often

_____

Range: $11 - 4 = 7$

Range: The highest data item — the lowest data item

Example 2 $7, 3, 6, 4, 7, 4, 8, 7, 9, 2$

Mean: $\dfrac{7+3+6+4+7+4+8+7+9+2}{10} = \dfrac{57}{10} = 5 \cdot 7$

Mean: Add up data and divide by number of data items

Median: $2, 3, 4, 4, 6, 7, 7, 7, 8, 9$
                                    ↑

Median $6 \cdot 5$

Median :   Arrange data in order and choose half way between middle two items if there are an even number of them

---

Mode: $= 7$

Mode: The data item that occurs the most often

Range: $9 - 2 = 7$

Range :   The highest data item — the lowest data item.

———— // ————