

Central Tendency

Mean: average

Median: center or middle value

Mode: most frequent

Range: how spread out the data is.
(highest - lowest = range)

Example:

For the set of values: 1, 6, 3, 8, 9, 6, 2

Determine the:

a) mean $(1+6+3+8+9+6+2) \div 7$

$$= 35 \div 7$$

$$= 5$$

$$\boxed{\text{mean: } 5}$$

b) median

1, 2, 3, 6, 6, 8, 9
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$$\boxed{\text{median: } 6}$$

c) mode

$$\boxed{\text{mode: } 6}$$

d) Range

$$9 - 1 = 8$$

$$\boxed{\text{Range: } 8}$$