

Measures of Center - a # that describes the center of the data set.

Element - a member of the data set.

Ten people were asked, "How many days do you exercise each week?"
Their responses: 4, 5, 6, 4, 4, 5, 1, 5, 3, 3



ascending
order:

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

1. Sum the elements.
2. Divide the sum by the number of elements.

Mean - the average of the elements of the data set.

- 1 - Add the #s
- 2 - Divide by the # of #s

$$1 + 3 + 3 + 4 + 4 + 4 + 5 + 5 + 5 + 6 = 40$$

$$\frac{40}{10} = \text{4 days a week}$$

enter

mean

$$(x_1 + x_2 + \dots + x_n)/n$$