

Cultivating Data

Organize, display, and analyze statistical information!

- **MEAN:** The sum of a group of numbers divided by the number of numbers in the group (sometimes referred to as the average).
- **MEDIAN:** The middle number in a group of numbers arranged in ascending order. When two numbers are in the middle, the median is the mean of these two numbers.
- **MODE:** The number(s) that appears most often in a group of numbers.

Bonus: Interactive Data Analysis Tools!
www.actuarialfoundation.org/cultivatingdata

What is an actuary?

An actuary is an expert in statistics who works with businesses, governments, and organizations to help them plan for the future. Actuarial science is the discipline that applies math, economics, and statistical methods to assess risk.

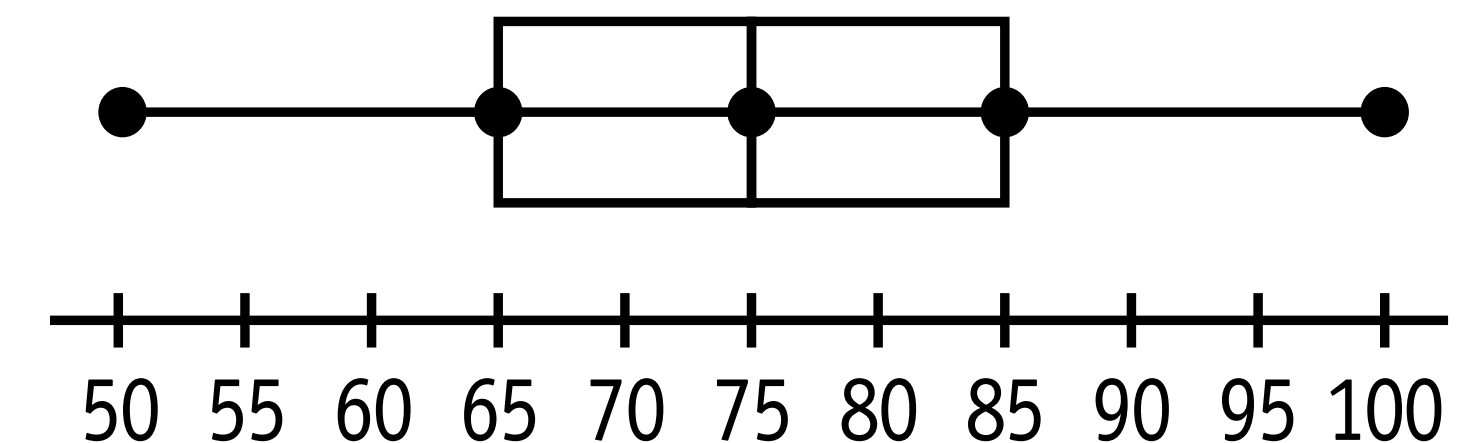


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BOX-AND-WHISKER PLOT:

A graph that shows the minimum, maximum, median, and quartiles for a set of data.



STEM-AND-LEAF PLOT:

A graph that displays the frequencies of number values in a data set for comparison.

Stem	Leaf
1	1 2 3 4
2	4 8 9
3	0 1 1 1
4	9
5	2 6 7

SCATTERPLOT: A graph using ordered pairs to determine the relationship between variables in two data sets.

