

## Vocabulary

### Background

Term	Definition	Spanish
Bias	The information summary or display is not accurately reflective of the data	tendencia
Box and Whisker Plot	A graph that uses a rectangle (or box) to represent the middle 50% of a set of data (the midquartile range) and line segments (or whiskers) at both ends to represent the remainder of the data.	encajone y el complot del pelo de bigote
Certain	An event that will definitely happen. A certain event has a probability of 1.	cierto
Chance	Another word for probability	oportunidad
Combination	A group of items or events. Placing these items or events in a different order does not create a new combination. Red, blue, green is the same combination as red, green, blue.	combinación
Compound Events	A combination of simple events.	acontecimientos compuestos
Data	Information, especially numerical. Usually organized for analysis.	datos
Data Distribution	A display of information.	distribución de datos
Dependent Events	Two events in which the outcome of the first event affects the outcome of the second event.	acontecimientos dependientes
Experimental Probability	A statement of probability based on the results of a series of trials.	probabilidad experimental
Fairness	A measure of the balance of all outcomes.	justicia
Frequency Table	A table that shows how often each item, number, or range of numbers occurs in a set of data.	mesa de frecuencia
Impossible	An event with a probability of zero.	imposible
Independent Events	Two events in which the outcome of the first event does not affect the outcome of the second event.	acontecimientos de independent
Likelihood	The chance that something will occur.	probabilidad
Likely	An event with a probability much larger than 50%	probable
Line Plot		forre el complot
Mean	The sum of a set of number divided by the number of elements in the set. Often referred to as the <i>average</i> .	medio
Measures of Central Tendency	Value intended to indicate the typical value in a collection of data. The mean, median, and mode are measures of central tendency.	tendencia central

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Median	When the numbers are arranged from least to greatest, the middle number of a set of numbers. The mean of two middle numbers when the set has an even number of numbers.	Mediana
Mode	The number that appears most frequently in a set of numbers. There may be one, more than one, or no mode.	modo
Outcomes	One of the possible events in a probability situation.	resultados
Permutation	Possible orders, or arrangements, of a set of events or items. If you put the items or events into a different order, you have a different permutation. Red, blue, green is a different permutation than red, green, blue.	permutación
Probability	The measure of the likelihood of an event occurring. The probability of an event is the ratio of the number of favorable outcomes to the number of equally likely possible outcomes: $P(\text{event}) = \frac{\text{number of favorable outcomes}}{\text{number of possible outcomes}}$	probabilidad
Range	The difference between the greatest and the least values in a set of data.	gama
Sample	The people, objects, or events chosen from a given population to represent the entire group.	muestra
Sample Space	A list of all possible outcomes of an activity.	prueba el espacio
Sampling Error	Error in the results of a survey due to poor selection of the sample.	probar el error
Simulation	A model of an experiment that might be impractical to carry out.	simulación
Stem and Leaf Plot	A method of organizing data from least to greatest using the digits of the greatest place value to group data.	el tallo y la hoja traman
Surveys	A questionnaire posed to certain members of a group.	inspecciones
Theoretical Probability	Finding the probability of an event without doing an experiment or analyzing data.	probabilidad teórica
Tree Diagrams	A diagram used to find all the possible permutations for a set of items or the prime factorization of a number.	esquemas de árbol
Unlikely	An event with a probability much smaller than 50%	improbable

## Vocabulary

### Current

Term	Definition	Spanish
Matrix (matrices) <i>Section 13.2</i>	A rectangular arrangement of numbers in rows and columns.	matriz (matrices)
Element of a Matrix <i>Section 13.2</i>	Each entry in a matrix.	el elemento de una matriz
Scalar <i>Section 13.2</i>	The term given to a constant that multiplies a group of numbers, such as a matrix.	escalar
Simple Random Sample <i>Section 13.1</i>	A sample is a simple random sample if <ul style="list-style-type: none"> <li>• each member of the population is equally likely to be chosen, and</li> <li>• the members of the sample are chosen independently of one another.</li> </ul>	muestra aleatoria sencilla