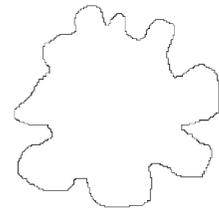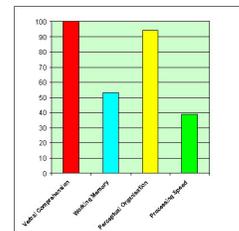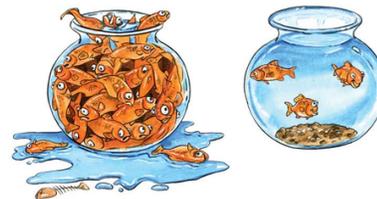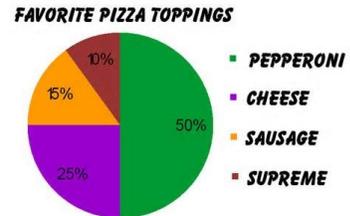|	
Asymmetrical	Irregular shape.
Average	$$\frac{sum\ of\ terms}{number\ of\ terms}$$ Mean; Found by adding all numbers and dividing that sum by the amount of numbers included.
Bar Chart	Chart with bars whose lengths are proportional to quantities.
Carrying Capacity	Largest number of individuals of a population that a environment can support.
Categorical Data	blue tall BIG Data that consists of names, labels, or other nonnumerical values.

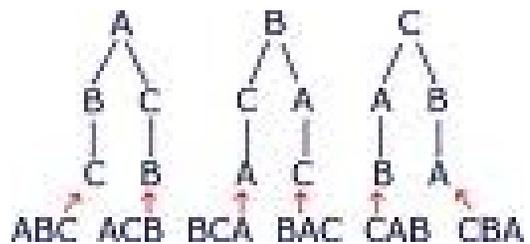|	
Chi-Square Test	$$\chi^2 = \sum \frac{(Observed - Expected)^2}{Expected}$$ Statistical test used to determine the probability of obtaining observed proportions by chance, under a specific hypothesis.
Circle Graph	**FAVORITE PIZZA TOPPINGS** ■ PEPPERONI ■ CHEESE ■ SAUSAGE ■ SUPREME A graph of data where the entire circle represents the whole or 100%.
Combination	Mixture of different people or things.
Compound Probability	$$P(A|B) = \frac{P(A \cap B)}{P(B)}$$ Probability of 2 or more events happening.
Counting Principle	ABC ACB BCA BAC CAB CBA Simple way to find the number of outcomes.

Degrees of Freedom	$df = n-1$
	Number of scores that can vary in the calculation of a statistic.
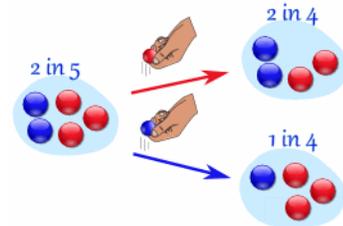
Dependent Event	
	Outcome of one event does affect the outcome of the second event.

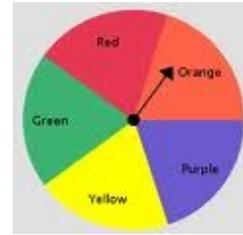| Directional Selection	
	Occurs when natural selection favors one of the extreme variations of a trait.
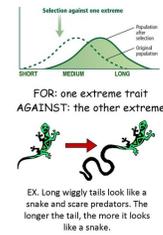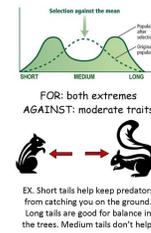
Disruptive Selection	
	Natural selection in which individuals at the upper and lower ends of the curve have higher fitness than individuals near the middle of the curve (same as Diversifying Selection).
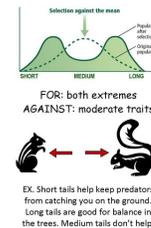
Diversifying Selection	
	Natural selection in which individuals at the upper and lower ends of the curve have higher fitness than individuals near the middle of the curve (same as Disruptive Selection).

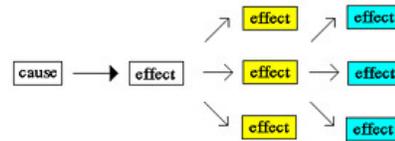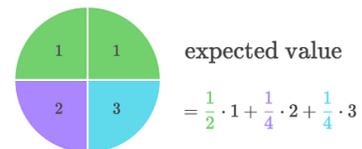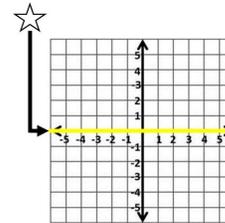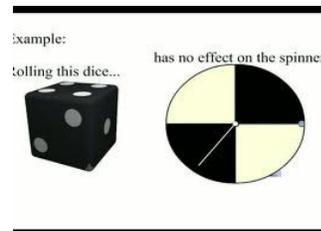|	
Elementary Event	One possible outcome of an experiment.
Ethogram	Table used to record observations of animal behavior.
Event	Action that causes something to happen.
Expected Value	expected value $= \frac{1}{2} \cdot 1 + \frac{1}{4} \cdot 2 + \frac{1}{4} \cdot 3$ Total benefit to be expected if a decision were to be repeated several times.
Factorial	$P = \dfrac{n!}{x!\,(n-x)!}\, p^x\, q^{n-x}$ Product of all whole numbers except zero that are less than or equal to a number.
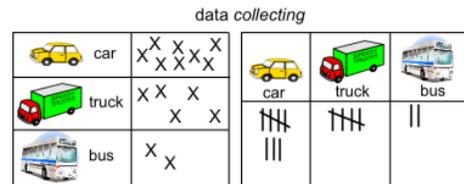
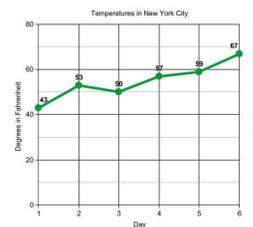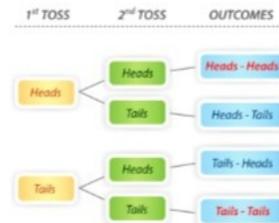|	
Graph	data *collecting* Instrument for recording data.
Horizontal Axis	X-axis.
Independent Event	Example: Rolling this dice... has no effect on the spinner Two or more events in which the outcome of one event does not affect the outcome of the other event(s).
Line Graph	Temperatures in New York City Graph that uses one or more lines to show changes in statistics over time or space.
Mutually Exclusive Event	$P(A \text{ and } B) = 0$ Events A and B are mutually exclusive if they share no outcomes. Events that have no common outcome, two events that cannot occur at the same time.

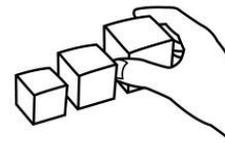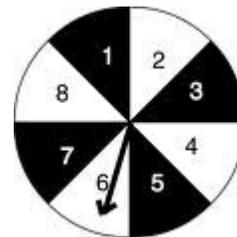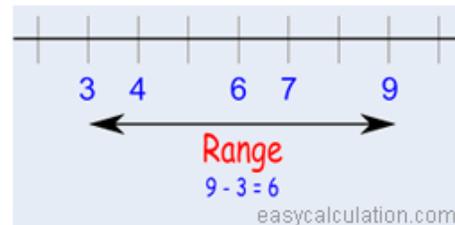|	
Null Hypothesis	H_0 Hypothesis that there is no significant difference between specified populations, any observed difference being due to sampling or experimental error.
Outcome	 a possible result of a probability experiment. Result or consequence.
Permutation	 An arrangement of objects in which order is important.
Probability	 Likelihood that a particular event will occur.
Qualitative	 Data in the form of words.

Quantitative	 Data that is in numbers.
Random	 By chance; not planned.
Range	 Difference between the highest and lowest numbers in a distribution.
Ratio	 Comparison of two quantities by division.
Reject	 Refuse to accept.
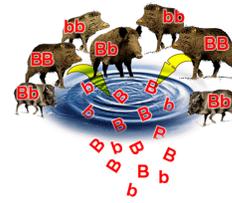
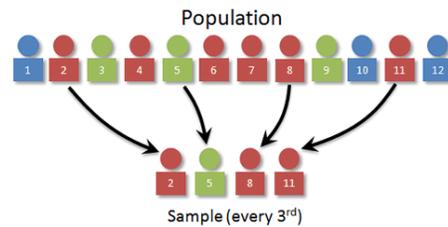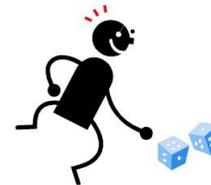|	
Relative Fitness	 Contribution an individual makes to the gene pool of the next generation relative to the contributions of other individuals.
Relative Frequency	 Ratio that compares the frequency of each category to the total.
Sample	 Part of a population.
Sample Space	 Set of all possible outcomes of an experiment.
Scale	 Percentage of original size to enlarge or reduce the size of an object.
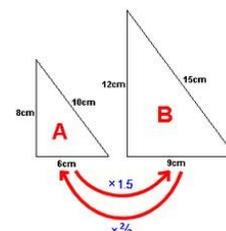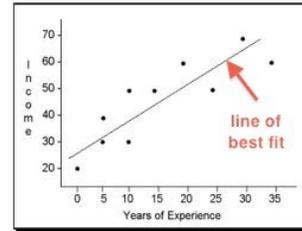
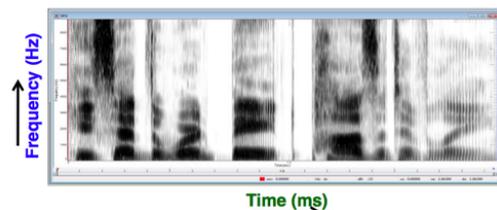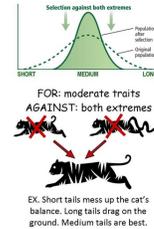|	
Scatter Plot	 A graphed cluster of dots, each of which represents the values of two variables. The slope of the points suggests the direction of the relationship between the two variables. The amount of scatter suggests the strength of the correlation.
Significance	 A critical probability associated with a statistical hypothesis test that indicates how likely an inference supporting a difference between an observed value and some statistical expectation is true.
Simple Probability	 Likelihood of a single (simple) event occurring by itself.
Simple Theoretical Probability	Number of favorable outcomes / Number of possible outcomes Ratio of the number of equally likely outcomes in an event to the total number of possible outcomes.
Spectrogram	 In sound analysis, a three-dimensional display that plots time on the horizontal axis, frequency on the vertical axis, and amplitude (intensity) on a color or gray scale.

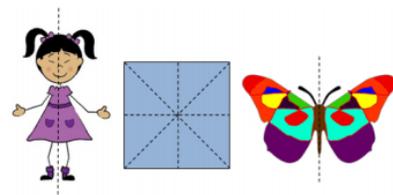|	
Spherical	 Shaped like a sphere.
Stabilizing Selection	 Natural selection in which individuals near the center of a distribution curve have higher fitness than individuals at either end of the curve.
Statistical Test	 Analytic tool that estimates the probability that obtained results from a sample reflect true population values.
Support	 Back up with details.
Symmetrical	 Well proportioned; balanced; the same on both sides.

Table

Data	Tally	Frequency
1	卌 I	6
2	卌	5
3	IIII	4
4	III	3
5	I	1
6	卌 卌	10

Arrangement of data made up of horizontal rows and vertical columns.