

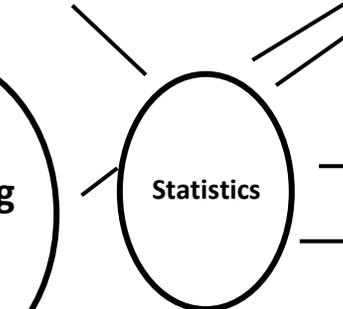
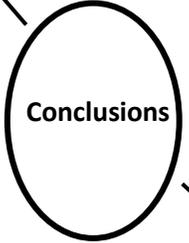
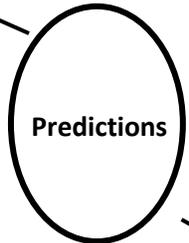
What helps make predictions about future sets of data?
Recognizing trends in data

What is a conclusion?
A statement based on observations that can summarize data or answer questions about the relationship between variables.

What is the mean?
Average of a set of numbers.
Can be found by adding all numbers together and dividing by how many numbers are present.

What is the median?
Middle value between the smallest and largest of a set of numbers.
Can be found by ordering numbers from least to greatest and finding the middle number.

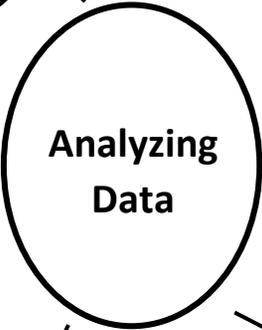
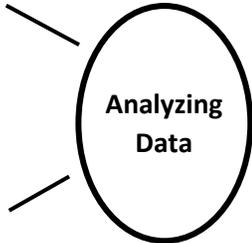
What is the mode?
The number that occurs most often.
Can be found by finding the number that occurs most often in a data set.
Data sets may have multiple or no modes.



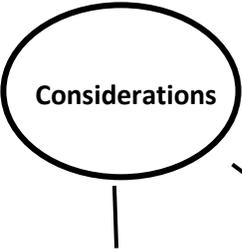
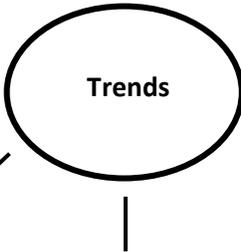
What are statistics?
Using data in mathematical calculations.

What is the range?
Difference between the largest and smallest numbers in a set.
Can be found by subtracting the smallest number from the largest number in a data set.

What does it mean to analyze data?
To study or examine the information in a methodical way.



How do you analyze data?
Making observations about the info and answering questions, or looking for patterns and/or relationships.



What is an anomaly?
Something that deviates from what is normal or expected
Can result from experimental or reporting errors, and might not be included in the conclusions.

What can help draw more accurate conclusions and make better predictions?
Related data

What trends do you look for in a pie chart?
The largest and smallest sections of the chart.

What trends do you look for in a bar graph?
Increases and decreases in the heights of bars.

What trends do you look for in a line graph?
Slope of the line on a line graph.

What questions should you ask about the data?

- Are the data specific?
- Are the data reliable?
- Are the data accurate?
- Does the data include anomalies

What do the questions answer?
What the data includes.
What is the source of the information or how the information was obtained?
Are there other data that is similar?
Are there anomalies?