Qualitative Data:

Qualitative data describes qualities or characteristics and cannot be measured numerically. It provides insights into attitudes, opinions, behaviors, and other non-numeric aspects of the data.

Examples of qualitative data include:

Descriptive data: Observations, descriptions, or narratives.

Categorical data: Labels or categories that represent characteristics or attributes, such as gender, ethnicity, or job title.

Ordinal data: Categories with a natural order or ranking, but the differences between categories may not be uniform. For example, survey responses with options like "strongly agree," "agree," "neutral," "disagree," and "strongly disagree."

Quantitative Data:

Quantitative data consists of numerical measurements or counts and can be subjected to mathematical operations. It provides insights into quantities, amounts, or sizes.

Examples of quantitative data include:

Continuous data: Data that can take any value within a range, such as temperature, weight, or height.

Discrete data: Data that can only take specific, separate values, such as counts of objects, number of people, or number of items sold.

Interval data: Numeric data where the difference between two values is meaningful and consistent, but there is no true zero point. An example is temperature measured in Celsius or Fahrenheit.

Ratio data: Similar to interval data, but with a true zero point, meaning zero indicates the absence of the quantity being measured. Examples include height, weight, and income