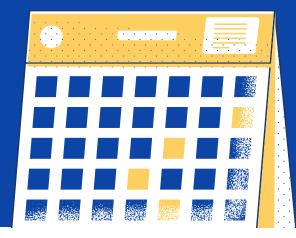
# Data Fundamentals

Descriptive Statistics - Part I

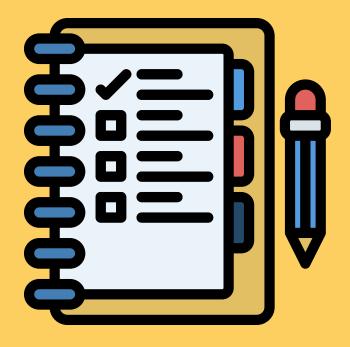


### **GOALS**



Introduction to Data Understand Data Types

Master Central Tendency Measures Introduction to Notation



**AGENDA** 

Welcome and Introduction to data

Descriptive statistics roadmap

Data Types

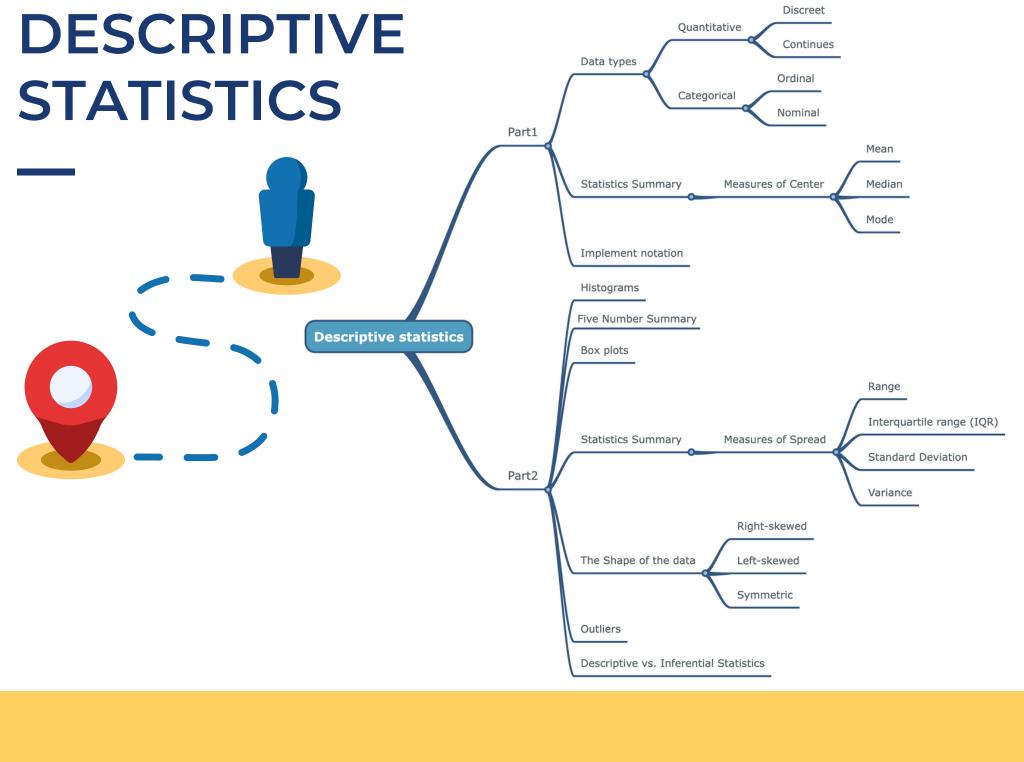
Measures of Center

Introduction to Notation

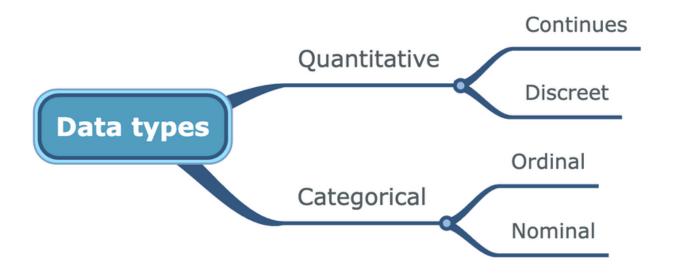
Q&A



Behind every data point, there's a story waiting to be told.



### **DATA TYPES**





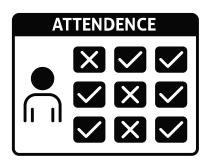




Continues

Quantitative

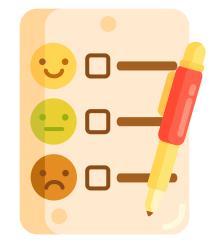
Discreet







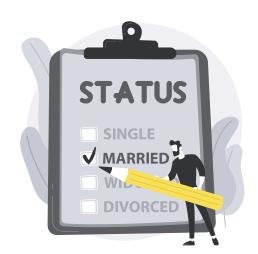


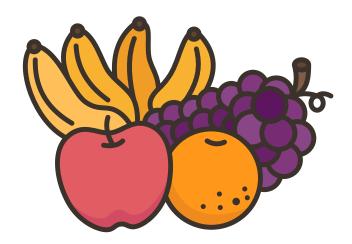




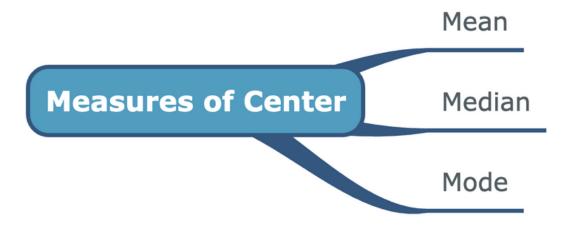
Categorical Nominal



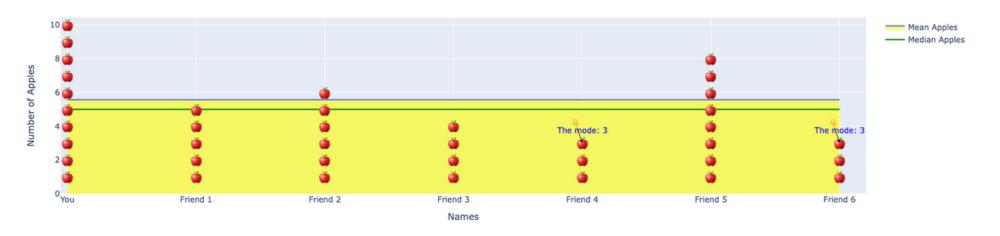




### MEASURES OF CENTER



#### Number of Apples per Person

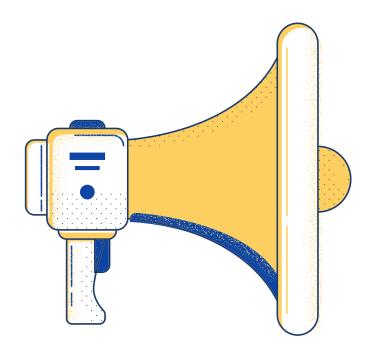


### NOTATION

- x̄ (pronounced as "x-bar")
- Σ (pronounced as "sigma")

$$\sum_{i=m}^n a_i = a_m + a_{m+1} + a_{m+2} + \cdots + a_{n-1} + a_n$$

$$ar{x}=rac{1}{n}\left(\sum_{i=1}^n x_i
ight)=rac{x_1+x_2+\cdots+x_n}{n}$$



## Q&A Session: Let's explore and understand together

### RESOURCES

- Mean, Median, and Mode of Apples
- <u>Descriptive statistic roadmap</u>



Your presence today has added value to our shared learning journey. Thank you for joining us!

