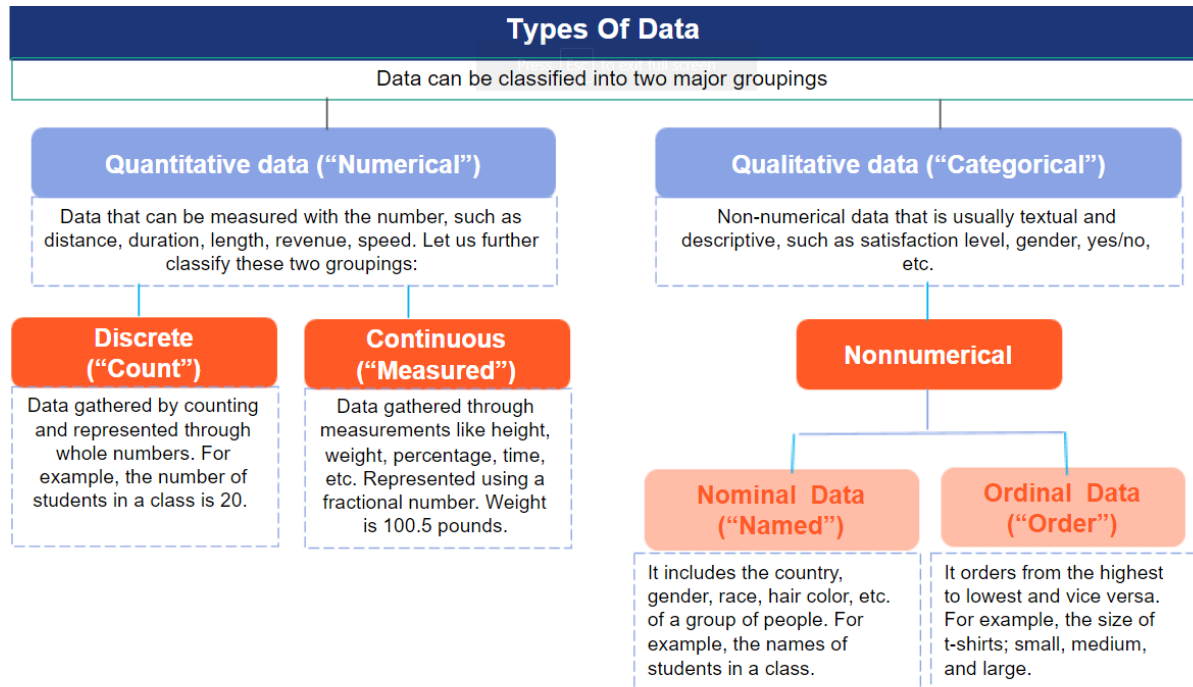


Sprint 1

Learning outcomes:

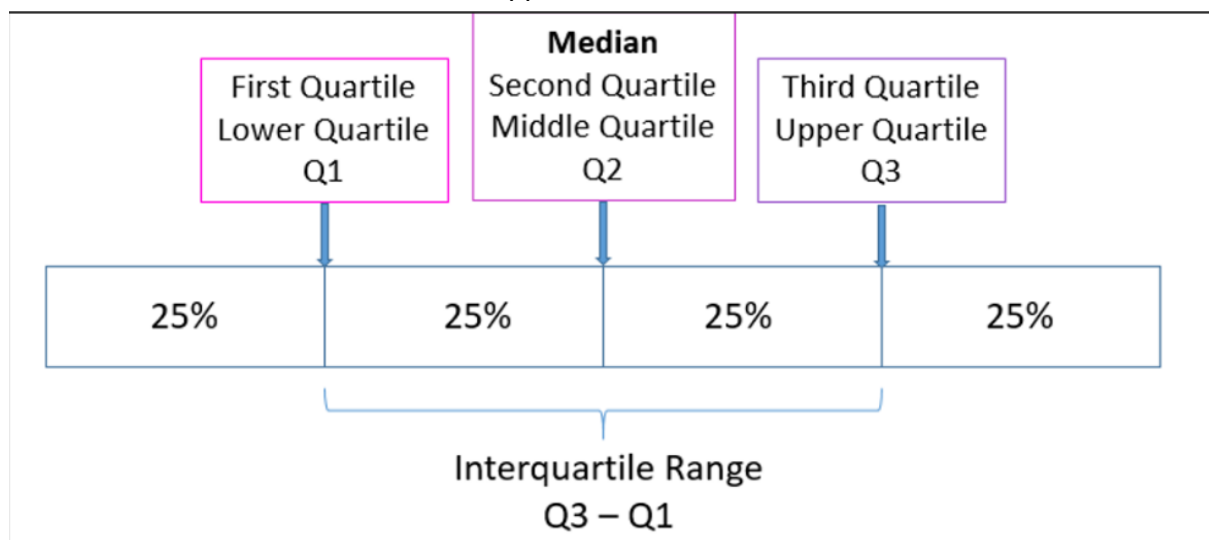
- Types of data



- Vlookup, hlookup, mean, pivot table.

Sprint 2

- Central tendencies - mean, median, mode.
- Boxplot (right and left skewed)
- Q1, Q2, Q3, Q4, IQR, Upperfence, Lowerfence.



Sprint 3

- Cluster chart
- Stacked chart
- Bar chart
- Line chart
- Histogram
- Pie chart
- Column chart

Sprint 4

- Scatter plot chart
- Measures of dispersion - Range, IQR, Variance, Standard deviation.
- Variance = $(\sum(x - \text{mean})^2) / N$ where N = number of observations.
- Standard deviation = $\sqrt{\text{variance}}$
- Coefficient of variation = $(\text{standard deviation} / \text{mean}) * 100$
- Outlier/ missing value treatments
 1. Dropping row with missing values
 2. Filling missing values using central tendencies
 3. Last observation carried forwards
 4. Upcoming observation carried backwards