# Cheatography

## STA1510 Cheat Sheet by laterz via cheatography.com/166959/cs/34944/

#### Population

Contains all items of interest that one seeks to study.

A **parameter** summarizes the value for a specific variable.

#### Sample

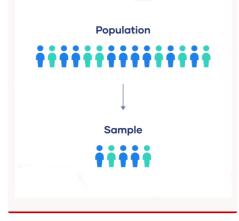
Is a subset of the population.

Is analysed to estimate characteristics of an entire population.

The measurable quality is called a statistic.

Reports have a margin of error and confidence interval.

#### Population vs Sample



By laterz

cheatography.com/laterz/

Types of variables	
Quantitative	Qualitative
Data represent a counted or measured quantity	Data represent categories
Discrete Data that arise from a counting process.	
Continuous Data that arise from a measuring process	

#### Levels of measurement

### THE FOUR LEVELS OF MEASUREMENT:

	Nominal	Ordinal	Interval	Ratio
Categorizes and abels variables	~	~	~	~
tanks categories n order		~	~	~
as known, qual intervals			~	~
as a true or eaningful zero				~

#### Organizing and visualizing variables

Tables and charts for categorical data	Tables and charts for numerical data
Summary table	Stem-and-leaf display
Contingency table	Histogram
Bar chart	Percentage polygon
Pie chart	Cumulative percentage polygon (Ogive)
Doughnut chart	
Pareto chart	

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