

Parameter vs. Statistic

Variable	Parameter, Population	Statistic, Sample
proportion or percentage	π	p
average (mean)	μ	\bar{X}

Sampling Methods

Probability	Non-Probability
Simple random	Convenience
Systematic	Quota
Stratified	Judgment
Cluster	Snowball

Variable Types

Numerical: numbers	Categorical: names
Discrete	Nominal
Continuous	Ordinal

Data Sources

Primary Data	Secondary Data
Surveys	Published Sources
Experiments	

Presenting Data

	Categorical Data	Numerical Data
Summary Tables	frequency count, cross tabulation	frequency count in different intervals/bins
Charts	bar charts, pie charts	histogram



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