POLS 7012

List of things you should know for the midterm.

Statistic	Parameter
Inferential Statistical Methods	Descriptive Statistical Methods
Population	Sample
Variable	Qualitative Variables
Reliability	Validity
Quantitative Variables	Scale
Nominal, Ordinal, and Interval Levels of Measurement	Discrete and Continuous Variables
Simple Random Sampling	Random Number Table
Probability Sampling	Nonprobability Sampling
	Experimental Data
Observational Data	Sampling Error
Nonresponse Bias	Response Bias
Stratified Sample	Cluster Sample
Frequency Distribution	Relative Frequency
Histograms and Bar Graphs	
Population, Sample, and Sampling Distributions	Measures of Central Tendency
Mean	Median
Mode	Percentile, Quartiles
Measures of Variation	The Range
Variance	Standard Deviation
Interquartile Range	
	Probability
Probability Distribution	Mean of a Probability Distribution
Normal Probability Distribution	z-Score
Standard Normal Distribution	Sampling Distribution
Standard Error	Central Limit Theorem
Point Estimator of a Parameter	Unbiased
Efficient	Confidence Interval for a Statistics
Hypothesis	Significance Test, two-sided and one-sided
Elements of a Significance Test	Null and Alternative Hypothesis
P-Value	Significance Tests for a Mean and Proportion
Type I and Type II error	