

Quantitative Analysis

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Two Purposes:

(1) Describe a data set

(2) Draw inferences from the data

Quantitative Analysis

Univariate Analysis

Shows characteristics of one variable

Bivariate Analysis

Shows relationship between two variables

Multivariate Analysis

Shows relationship between three or more variables

Univariate Analysis

(1) Frequency Distribution

(2) Measure of Central Tendency

Mean

Median

Mode

(3) Measure of Variation

Range

Percentile Classes

Standard Deviation

Bivariate Analysis

(1) Scatterplot

(2) Cross-Tabulation

(3) Measures of Association

Multivariate Analysis

Independent Variable	Dependent Variable		
		Discrete	Continuous
	Discrete	Contingency Table (χ^2)	ANOVA
	Continuous	Logistic Regression	Regression

