Midterm 1 Study Guide

Introduction to Research Design

Instructions: The midterm will consist of 25 multiple choice questions which will cover both lecture and book material. Please review both sources as you study the following concepts. You will require a scantron to take the exam.

Data-Theory Cycle

Value of Scientific Facts

Steps in Research; Process of Science

Theory, Hypothesis, Predictions

Causal Claims

Associative Claims

Frequency Claims and Descriptive Research

Statistical Validity

Internal Validity

External Validity

Construct Validity

Covariance

Temporal Precedence

Third Variable Criterion

Independent Variable

Dependent Variable

Types of Descriptive Research

Ethics in Research; Rights of Subjects; Informed Consent

Use of Deception in Research and Debriefing

Type I and II errors