

AP PSYCHOLOGY

Unit 0 – Science Practices

Cognitive Biases

Confirmation Bias

Hindsight Bias

Overconfidence

Experimental

What makes it experimental?

Causation

Non-Experimental

Case Study

Correlation

Meta-Analysis

Naturalistic Observation

Independent Variable

Dependent Variable

Hypothesis

Falsifiable

Operational Definition

Replication

Confounding Variable

Sample / Population

Types of Sampling – “Random” “Convenience”

Sampling Bias

Generalizability

Experimental Group

Control Group

Placebo

Single Blind

Double Blind

Experimenter Bias

Social Desirability Bias

Central Tendency

Mean, Median, Mode, Range (Standard Deviation)

Peer Review / Replication

Qualitative vs Quantitative Measurements

“Normal Curve”

Skews, Bimodal Distribution

Regression to the Mean

Correlation Problems

“Correlation does not imply causation”

WHY? Third variable / Directionality

Surveys – Bias in language of questions (Self-Report, Social Desirability)

Ethics – Institutional Review Boards (Human and Animal research)

Informed Consent

“Steps to Protect Participants from Harm”

Confidentiality / Anonymous

Deception

Debriefing