

# Kentucky Class Notes

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Test 1

9/1- The Science of Psychology; Modules 2 & 3

## The Need for Psychological Science

- **SCIENTIFIC METHOD** is a systematic way to acquire knowledge and understand the world.
- **HINDSIGHT BIAS** describes when we tend to believe, after learning an outcome, that we would have foreseen it. This is also known as the "I knew it all along" phenomenon.
- [REDACTED]
- [REDACTED] and correlation [REDACTED] examines assumptions, discerns hidden values, evaluates evidence, and assesses conclusions.

## SCIENTIFIC METHOD: THE PROCESS

- **IDENTIFY QUESTIONS OF INTEREST**, however, the question with this step is being specific.
- **DEVELOP AN EXPLANATION**
  - **THEORIES** offer a broad explanation and prediction.
  - **HYPOTHESES** are predictions [REDACTED] procedures that can be measured and observed.
- **CONDUCT RESEARCH**
  - Who will the participants be?
    - **POPULATION** is the entire group from whom the investigator wants to draw conclusions.
    - **SAMPLE** [REDACTED] population.
    - **RANDOM SAMPLE** is a sample in which every member of a population has chance to be selected. The goal is choosing people who represent the whole scope of a population.
  - How will the data be collected?
    - **ARCHIVAL RESEARCH** uses existing data to test a hypothesis.
    - **SERVAL** [REDACTED]
    - **LABORATORY OBSERVATION** is observation in a controlled setting.
    - **NATURALISTIC OBSERVATION** is observation of naturally occurring behavior without intervention.
    - **INTERVIEW** [REDACTED]
    - **SOCIAL DESIRABILITY** is the tendency of participants to tell the interviewer what they think is socially acceptable rather than the truth.
    - **SURVEY RESEARCH** involves asking questions about behavior, thoughts, and attitudes. These are similar to [REDACTED] verbally.
    - **CASE STUDY** is an in depth, intensive investigation of an individual or small group.

## ANALYZING THE DATA

- **VARIABLES** are behaviors, [REDACTED] way.