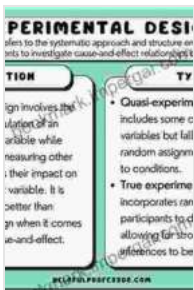


Experimental Design in Psychology: A Case Approach

Experimental design is a critical aspect of psychological research. It allows researchers to test hypotheses and theories in a controlled environment, and to draw inferences about the relationships between variables. This book provides a comprehensive overview of experimental design in psychology, with a focus on case studies to illustrate the principles and methods involved. It is an essential resource for students and researchers in psychology and related fields.



Experimental Design in Psychology: A Case Approach

by M. Kimberly MacLin

★★★★★ 5 out of 5

Language : English

File size : 12981 KB

Print length : 384 pages



Chapter 1: The Basics of Experimental Design

This chapter introduces the basic principles of experimental design, including:

- * The difference between independent and dependent variables
- * The importance of control groups
- * The different types of experimental designs
- * The process of conducting an experiment

Chapter 2: Case Studies in Experimental Design

This chapter presents a series of case studies that illustrate the principles of experimental design in action. These case studies cover a variety of topics, including:

* The effects of caffeine on cognitive performance * The effectiveness of different teaching methods * The relationship between stress and health

Chapter 3: Advanced Experimental Design Techniques

This chapter discusses more advanced experimental design techniques, such as:

* Factorial designs * Mixed designs * Longitudinal designs

These techniques can be used to investigate more complex research questions and to gain a more complete understanding of the relationships between variables.

Chapter 4: Analyzing and Interpreting Experimental Data

This chapter discusses the process of analyzing and interpreting experimental data. Topics covered include:

* Descriptive statistics * Inferential statistics * Effect sizes * Statistical power

Researchers need to be able to properly analyze and interpret their data in order to draw valid conclusions from their experiments.

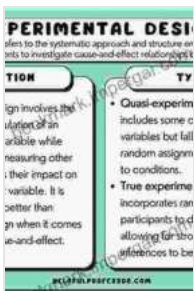
Chapter 5: Ethical Issues in Experimental Design

This chapter discusses the ethical issues that researchers need to consider when conducting experiments. Topics covered include:

* The informed consent process * The use of deception * The protection of participants' rights

Researchers have a responsibility to protect the rights and well-being of their participants.

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