

Statistical And Methodological Issues In Psychology And Social Sciences Research

[#Statistical issues research](#) [#Methodological problems psychology](#) [#Social sciences research methods](#) [#Quantitative qualitative research](#) [#Research validity reliability](#)

Explore the pivotal statistical and methodological issues that impact the quality and integrity of research within both psychology and the broader social sciences. This resource highlights common challenges in study design, data analysis, measurement, and interpretation, offering insights crucial for conducting rigorous and ethical scientific inquiry.

All research content is formatted for clarity, reference, and citation.

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Statistical And Methodological Issues In Psychology And Social Sciences Research

Social research is research conducted by social scientists following a systematic plan. Social research methodologies can be classified as quantitative... 21 KB (2,582 words) - 23:52, 31 December 2023
reductionist in nature. Since educational research includes other disciplines such as psychology, sociology, anthropology, science, and philosophy and refers... 21 KB (1,952 words) - 18:18, 9 February 2024

resilience, family resilience, and other areas within social psychology. They also consider the unconscious mind. Research psychologists employ empirical... 236 KB (26,571 words) - 20:36, 19 March 2024

natural sciences interested in some aspects of social science methodology. Examples of boundary blurring include emerging disciplines like social research of... 83 KB (9,286 words) - 05:30, 12 March 2024

uses the methodology of social psychology and the cognitive sciences for gathering empirical evidence and justifying philosophical claims. In the field... 95 KB (10,809 words) - 17:48, 18 March 2024

and organizational psychology (I-O psychology) "focuses the lens of psychological science on a key aspect of human life, namely, their work lives. In... 109 KB (13,532 words) - 19:40, 10 March 2024
of science, also referred to as sciences, scientific fields or scientific disciplines, are commonly divided into three major groups: Formal sciences: the... 39 KB (3,856 words) - 13:42, 10 March 2024

therefore, a methodological issue in the social sciences analogous to the observer effect. Within that part of recent sociology of science that has been... 34 KB (4,361 words) - 09:03, 11 February 2024
humans, past and present, that draws and builds upon knowledge from the social sciences and biological sciences, as well as the humanities and the natural... 43 KB (5,301 words) - 18:55, 3 November 2023

crisis (also called the replicability crisis and the reproducibility crisis) is an ongoing methodological

crisis in which the results of many scientific studies... 136 KB (14,973 words) - 11:42, 12 February 2024

biological and statistical methods. Applied science can also apply social science, such as application of psychology in applied psychology, criminology, and law... 15 KB (1,605 words) - 04:43, 16 March 2024

20th century social psychological findings. An early, influential research program in social psychology was established by Kurt Lewin and his students... 57 KB (6,250 words) - 20:25, 18 February 2024

Quantitative psychology is a field of scientific study that focuses on the mathematical modeling, research design and methodology, and statistical analysis... 18 KB (1,940 words) - 05:38, 9 March 2024

In statistical hypothesis testing, a result has statistical significance when a result at least as "extreme" would be very infrequent if the null hypothesis... 38 KB (4,060 words) - 10:23, 19 March 2024

management, and student motivation. Educational psychology both draws from and contributes to cognitive science and the learning sciences. In universities... 70 KB (8,891 words) - 06:21, 26 February 2024

components. These methodological elements and organization of procedures tend to be more characteristic of experimental sciences than social sciences. Nonetheless... 136 KB (15,633 words) - 10:00, 19 March 2024

Briere J (April 1992). "Methodological issues in the study of sexual abuse effects". Journal of Consulting and Clinical Psychology. 60 (2): 196–203. CiteSeerX 10... 46 KB (4,936 words) - 13:20, 16 March 2024

Psychological Science - An international, interdisciplinary forum for original research papers that address evolved psychology. Spans social and life sciences, anthropology... 160 KB (18,410 words) - 20:23, 18 February 2024

unpredictability of effects; lack of progress in over a century of formal research; methodological weaknesses; reliance on statistical procedures to determine when psi... 163 KB (19,562 words) - 23:40, 12 March 2024

Structuralism in psychology (also structural psychology) is a theory of consciousness developed by Edward Bradford Titchener. This theory was challenged in the... 16 KB (1,843 words) - 16:56, 13 January 2024

Methods of Testing in Psychology: Observation, Self-Report, and Experimentation - Methods of Testing in Psychology: Observation, Self-Report, and Experimentation by Professor Dave Explains 47,208 views 2 years ago 7 minutes, 49 seconds - Psychology, may not be as rigidly empirical as physics or chemistry, but it is a **science**, nonetheless. So how precisely do ...

Psychological Research: Crash Course Psychology #2 - Psychological Research: Crash Course Psychology #2 by CrashCourse 6,251,183 views 10 years ago 10 minutes, 51 seconds - So how do we apply the **scientific**, method to **psychological research**,? Lots of ways, but today Hank talks about case **studies**,, ...

Introduction: Intuition & Hindsight Bias

The Scientific Method

Case Studies

Naturalistic Observation

Surveys and Interviews

Drawing Conclusions

Experimentation

Experiment Time!

Review

Psychological Research Methods - Psychological Research Methods by Paul Merritt 60,167 views 7 years ago 35 minutes - Basic introduction to **psychological research**, methods including descriptive, correlational and experimental methods.

Conducting Psychological Research

Intoxication and Balance

Correlation Coefficients

Figure 2.11 Manipulation of the Independent Variable

V. Drawing Conclusions

VI. Sampling & Representativeness

Research Ethics | Ethics in Research - Research Ethics | Ethics in Research by SciToons 92,632 views 1 year ago 7 minutes, 13 seconds - You may already be familiar with what **research**, is, but what defines good **research**,? Ethics help answer this question.

Statistics made easy !!! Learn about the t-test, the chi square test, the p value and more - Statistics made easy !!! Learn about the t-test, the chi square test, the p value and more by Global Health with Greg Martin 1,967,216 views 4 years ago 12 minutes, 50 seconds - Learning **statistics**, doesn't need to be difficult. This introduction to stats will give you an understanding of how to apply **statistical**, ...

Introduction
Variables
Statistical Tests
The Ttest
Correlation coefficient
5 Minutes statistics for clinical research - Quantitative and Qualitative Data - 5 Minutes statistics for clinical research - Quantitative and Qualitative Data by GCP-Mindset - All About Clinical Research 10,934 views 2 years ago 3 minutes, 57 seconds - What kind of variable are we dealing with? Is it measurable or countable and therefore of quantitative nature? Or is the data given ...
Psychology Research Design Methodology, and Statistical Analysis - Psychology Research Design Methodology, and Statistical Analysis by Dr. Dan Kuchinka 2,118 views 3 years ago 46 minutes - A summary of **psychology research**, design, **methodology**, population, sampling, **statistics**, and publication.
Intro
Topic Selection: Specialization
Population
Data Collection - Methodology
Sampling
Data Collection - Measures
Data Analysis - Statistics
Presentation and Publishing
Introduction to research methods and methodologies - Introduction to research methods and methodologies by University of Liverpool Online Centre for Student Success 323,402 views 5 years ago 34 minutes - You need to more fully **research**, and analyze findings based on if you like depending on the **methodology**, depending on the ...
Research Methods in Psychology: Types of Psychology Studies - Research Methods in Psychology: Types of Psychology Studies by Learning the Social Sciences 104,123 views 3 years ago 7 minutes, 19 seconds - This video discusses the various **research studies**, that **psychologists**, can conduct to gather data. The video explains that ...
Introduction
Case Studies
Correlation Studies
Survey
Longitudinal Studies
How To Know Which Statistical Test To Use For Hypothesis Testing - How To Know Which Statistical Test To Use For Hypothesis Testing by Amour Learning 667,748 views 4 years ago 19 minutes - Hi! My name is Kody Amour, and I make free math videos on YouTube. My goal is to provide free open-access online college ...
Introduction
Ztest vs Ttest
Two Sample Independent Test
Paired Sample Test
Regression Test
Chisquared Test
Oneway ANOVA Test
How To Conduct A Systematic Review and Write-Up in 7 Steps (Using PRISMA, PICO and AI) - How To Conduct A Systematic Review and Write-Up in 7 Steps (Using PRISMA, PICO and AI) by Dr Amina Yonis 111,864 views 10 months ago 18 minutes - Chapter Timestamps 00:00 Introduction 01:00 7 step summary 02:30 Step 1 - define the **research**, question 05:07 Step 2 ...
Introduction
7 step summary
Step 1 - define the research question
Step 2 - develop the review protocol
Step 3 - conduct the search
Step 4 - scan for eligibility

Step 5 - analyse quality

Step 6 - extract and synthesise data

Step 7 - write the report

How To Read A Paper Quickly & Effectively | Easy Research Reading Technique - How To Read A Paper Quickly & Effectively | Easy Research Reading Technique by Dr Amina Yonis 672,428 views 3 years ago 9 minutes, 50 seconds - PROOFREADING / ACADEMIC ESSAY SERVICE (£/\$) For all academic proofreading and mentoring services, visit ...

skim through the important details

take a look at the subsection headings of the results

look at the titles of the subsections

try to highlight a couple of other references

read the first and the last paragraph of your introduction

pull out a few references

Statistical Tests: Choosing which statistical test to use - Statistical Tests: Choosing which statistical test to use by Dr Nic's Maths and Stats 1,667,259 views 12 years ago 9 minutes, 33 seconds

- Seven different **statistical**, tests and a process by which you can decide which to use. See <https://creativemaths.net/videos/> for all of ...

Introduction

Three questions

Data

Samples

Purpose

What is Correlational Research? Finding Relationships Between Variables - What is Correlational Research? Finding Relationships Between Variables by Psych Explained 206,395 views 7 years ago 7 minutes, 31 seconds - A correlational **research**, design investigates relationships between variables without the researcher controlling or manipulating ...

Correlation does NOT imply Causation

Why does correlation not imply causation?

Why do psychologists conduct correlational research?

Checking for Understanding

How do psychologists graph correlations?

QUANTITATIVE Research Design: Everything You Need To Know (With Examples) - QUANTITATIVE Research Design: Everything You Need To Know (With Examples) by Grad Coach 69,036 views 9 months ago 11 minutes, 23 seconds - Learn how to get started with **research**, design for quantitative **studies**, including dissertations, theses and **research**, projects.

The purpose of research design

The four quantitative research design options

Descriptive research design

Example of descriptive research design

Correlational research design

Example of correlational research design

Experimental research design

Example of experimental research design

Free dissertation writing course

Quasi-experimental design

Example of quasi-experimental design

Recap of quantitative research designs

Outro

How To Write A Strong Research Proposal | Thesis or Dissertation - How To Write A Strong Research Proposal | Thesis or Dissertation by Dr Amina Yonis 576,329 views 3 years ago 11 minutes - Chapter Timestamps 00:00 Introduction 01:40 Specifications 02:15 Title 02:54 Abstract 03:23 **Research**, Background 04:23 ...

Introduction

Specifications

Title

Abstract

Research Background

Research Questions

Methodology

Significance

Timeline

Bibliography

Qualitative Coding Tutorial: How To Code Qualitative Data For Analysis (4 Steps + Examples) -

Qualitative Coding Tutorial: How To Code Qualitative Data For Analysis (4 Steps + Examples) by Grad Coach 290,171 views 2 years ago 27 minutes - Learn how to code qualitative data the right way. We explain the qualitative coding process in simple, easy to understand terms.

Introduction & overview

What is coding (coding definition)

Qualitative coding approaches

Deductive coding

Inductive coding

How to code qualitative data

Stage 1 - Initial coding

Qualitative coding methods (overview)

In vivo coding

Process coding

Descriptive coding

Structural coding

Values coding

Stage 2 - Line by line coding

Example of code expansion

Stage 3 - Moving to analysis

Questions to kickstart your qualitative analysis

Code categorization

Theme identification

Qualitative coding tips

Wrap up

Teach me STATISTICS in half an hour! Seriously. - Teach me STATISTICS in half an hour! Seriously. by zedstatistics 2,557,491 views 5 years ago 42 minutes - THE CHALLENGE: "teach me **statistics**, in half an hour with no mathematical formula" The RESULT: an intuitive overview of ...

Introduction

Data Types

Distributions

Sampling and Estimation

Hypothesis testing

p-values

BONUS SECTION: p-hacking

What is Qualitative Research? - What is Qualitative Research? by PHILO-notes 35,499 views 3 years ago 3 minutes, 32 seconds - This video lecture discusses the meaning of Qualitative **Research**,. Full transcript on this video lecture is available at: ...

WHAT IS

66 Qualitative research is a process of naturalistic inquiry

Qualitative research is commonly employed in the

Unlike the methodological rigor of quantitative research that relies heavily on numerical data

Qualitative vs Quantitative vs Mixed Methods Research: How To Choose Research Methodology -

Qualitative vs Quantitative vs Mixed Methods Research: How To Choose Research Methodology by Grad Coach 428,126 views 2 years ago 17 minutes - Learn about the difference between qualitative, quantitative and mixed methods **research**,, as well as how to choose the best ...

Introduction

Qualitative, quantitative and mixed methods research 101

Qualitative research explanation & examples

Quantitative research explanation & examples

Mixed methods explanation & examples

How to choose the right research methodology

Factor 1

Factor 2

Factor 3

Concluding thoughts

Research Methods and Techniques [Video-4] - Research Methods and Techniques [Video-4] by Research Tube 42,146 views 11 months ago 2 minutes, 10 seconds - Are you interested in learning more about **research**, methods and techniques? In this YouTube video, we will explore the different ...
Qualitative research methodology I qualitative research methods an overview - Qualitative research methodology I qualitative research methods an overview by Dr Dee 84,711 views 3 years ago 1 minute, 52 seconds - An overview of qualitative **research methodology**, and methods. Albert Einstein famously said – 'not everything that counts can be ...

Ontology epistemology methodology and methods I ontology and epistemology in research examples - Ontology epistemology methodology and methods I ontology and epistemology in research examples by Dr Dee 119,720 views 3 years ago 2 minutes, 41 seconds - ontology epistemology **methodology**, and methods,ontology and epistemology for dummies,ontology and epistemology in ...

Sampling Methods (Methodological Issues in Psychology Explained) #Alevel #Revision - Sampling Methods (Methodological Issues in Psychology Explained) #Alevel #Revision by StartStudying 2,489 views 2 years ago 5 minutes, 37 seconds - One of the most important **issues**, about any type of **research**, method is how representative of the population the results are.

What Is Sampling

Opportunity Sampling

Self-Selected Sampling

Random Sampling

Stratified Sampling

Snowball Sampling

Research and Types| Research Methodology| Psychology Entrances| Mind Review - Research and Types| Research Methodology| Psychology Entrances| Mind Review by Mind Review 32,624 views 1 year ago 16 minutes - SUBSCRIBE & CLICK THE BELL ICON TO KEEP WATCHING THE VIDEOS OF THIS SERIES |DU Pg Entrances **Psychology**,, ...

Evaluating Research Methodological Issues | A Level Notes Psychology 9990 - Evaluating Research Methodological Issues | A Level Notes Psychology 9990 by Notes Reel 417 views 1 year ago 3 minutes, 30 seconds - Reliability: Whenever **research**, is conducted data is inherently obtained.

Researchers, must attempt to make sure that the way in ...

Research Methodology 101: Simple Explainer With Examples (+ FREE Template) - Research Methodology 101: Simple Explainer With Examples (+ FREE Template) by Grad Coach 312,143 views 3 years ago 1 hour, 4 minutes - Learn exactly what **research methodology**, means, in simple, easy-to-understand language. We explain qualitative, quantitative ...

Overview

What is research methodology?

What are qualitative methodology, quantitative methodology and mixed methods?

What is sampling (sampling design)?

What are data collection methods?

What is data analysis?

How to choose the right research methodology

Recap & summary

Sociology Research Methods: Crash Course Sociology #4 - Sociology Research Methods: Crash Course Sociology #4 by CrashCourse 1,197,397 views 6 years ago 10 minutes, 11 seconds - Today we're talking about how we actually DO **sociology**,. Nicole explains the **research**, method: form a question and a hypothesis, ...

RESEARCH METHOD

HYPOTHESIS

INDEPENDENT VARIABLE

CORRELATION

SAMPLE

HEADMASTER OF LEARNING

Research Methods in Psychology - Research Methods in Psychology by Mary Shuttlesworth 104,078 views 10 years ago 36 minutes - Chapter 1 **research**, methods in **psychology**, so today we're going to talk about some of the basic ways that **psychologists**, conduct ...

Quantitative Data Analysis 101 Tutorial: Descriptive vs Inferential Statistics (With Examples) - Quantitative Data Analysis 101 Tutorial: Descriptive vs Inferential Statistics (With Examples) by Grad Coach 825,136 views 2 years ago 28 minutes - Learn all about quantitative data analysis in plain, easy-to-understand lingo. We explain what quantitative data analysis is, when ...

Introduction
Quantitative Data Analysis 101
What exactly is quantitative data analysis
What is quantitative data analysis used for
The two branches of quantitative data analysis
Descriptive Statistics 101
Mean (average)
Median
Mode
Standard deviation
Skewness
Example of descriptives
Inferential Statistics 101
T-tests
ANOVA
Correlation analysis
Regression analysis
Example of inferential statistics
How to choose the right quantitative analysis methods
Recap
Search filters
Keyboard shortcuts
Playback
General
Subtitles and closed captions
Spherical videos