

Methods in Behavioral Research, 13e

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Detailed List of Features

New Features

New! Power of Process, now available in **Connect for Research Methods**, guides students through the process of critical reading, analysis, and writing. Faculty select content, such as journal articles, and strategies for students to use to analyze and comment upon the content, gaining insight into students' application of the scientific method. For students, Power of Process offers a guided visual approach to exercising critical thinking strategies to apply before, during, and after reading.

New! A new feature called Check Your Learning invites students to review difficult concepts as they read. Examples of topics include: Levels of Risk for Research Scenarios, Identifying Variables, and Staged Manipulations.
Benefit

Retained Features

McGraw-Hill Connect is a highly reliable, easy-to-use homework and learning management solution that utilizes learning science and award-winning adaptive tools to improve student results. For students, Connect uses innovative, interactive technology to enable a more personalized learning experience that better engages students in course content so they are better prepared, are more active in discussion, and achieve better results. Connect allows instructors to give homework assignments with immediate, automatic feedback, upload recorded class lectures and presentations through Tegrity, and track student progress and concept comprehension through robust reporting tools.

Available within Connect, SmartBook™ is an adaptive reading experience designed to help students stay focused and maximize their study time. Based on metacognition, and powered by LearnSmart™, SmartBook's adaptive capabilities provide with a personalized reading and learning experience that helps them identify the concepts they know, and more importantly, the concepts they don't know.

Available within Connect, Concept Clips help students break down key themes and difficult concepts in Psychology. Using easy-to-understand analogies, visual cues, and stimulating animations, Concept Clips make Psychology meaningful to everyday life.

Available within Connect, Newsflash exercises tie current news stories to key psychological principles and learning objective and assess students on their ability to make the connection between real life and research findings.

Clarity. This edition retains the strength of direct, clear writing. Concepts are described in different contexts to enhance understanding.

Compelling examples. Well-chosen research examples help students interpret challenging concepts and complex research designs.

Illustrative Articles. Articles are from professional literature that demonstrate and illustrate the content of the chapter in a meaningful way. Each article provides an interesting, engaging, and student-relevant example as a chapter-closing capstone exercise. In each case, an APA-style reference to a published empirical article is included, along with a brief introduction and summary. Three to five key discussion questions provide an applied, critical thinking-oriented, and summative learning experience for the chapter.

Flexibility.

Decision-making emphasis. Distinguishing among a variety of research designs helps students understand when to use one type of design over another.

Strong pedagogy. Learning Objectives open each chapter. Review and activity questions provide practice for students to help them understand the material. Boldface key terms are listed at the end of each chapter, and many are also defined in a Glossary at the end of the book.

Data-driven revisions. McGraw-Hill Education authors now have access to student performance data to analyze and to inform their revisions. This data is anonymously collected from the many students who use SmartBook, the adaptive reading experience that provides students with individualized assessment of their own progress. Because virtually every text paragraph is tied to several questions that students answer while using SmartBook, the specific concepts with which students are having the most difficulty are easily pinpointed through empirical data in the form of a “heat map” report.

Powerful analytics. Whether a class is face-to-face, hybrid, or entirely online, Connect provides comprehensive analytics and reports to help instructors and students easily monitor progress and optimize class and study time.

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Chapter by Chapter Changes

The thirteenth edition of *Methods in Behavioral Research* includes dozens of new references and updates. Here is a list of major changes as they appear by chapter.

Chapter 1

- Updated introduction on importance of understanding research.
- Updated Figure 1.2 uses replaces television watching example with playing violent video games.
- Updated illustrative article.

Chapter 2

- New opening section on exploring past research.
- New example of “transition” paragraph in a research paper.
- New discussion of the importance of literature reviews and how they compare with meta-analysis.
- New discussion about why it can be difficult to evaluate the quality of a source in today’s information gathering.
- New Figure 3, “Anatomy of a Basic Reference”.
- New section: Types of Research Reports that outlines literature review articles, theory articles, and empirical articles.
- New organization that leads students from research questions, hypotheses, and predictions, through sources of ideas, into the types of research reports (new section) and into how to identify good sources.
- New illustrative article on using laptops in class.

Chapter 3

- Refined discussion and new photo of the Milgram Experiment.
- Updated discussion on the preamble to the APA ethics code.

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- New discussion on privacy and the ethical responsibility of researchers.
- New discussion of federal regulations of IRBs, especially what is meant by systematic and generalizable knowledge.

Chapter 4

- Clarified the definition of construct validity.

Chapter 5

- Refinement of introduction to the discussion of reliability, making it more accessible to students.
- Updated discussion of measurement error.
- Updated table, "Indicators of construct validity of a measure."

Chapter 6

- Updated example of archival research involves a recent study on Twitter posts.
- New section on the Open Science movement related to data accessibility.

Chapter 7

- Updated Figure 1 includes new data on annual prevalence of teenage marijuana use.
- Updated section on formulating questions on attitudes and beliefs when constructing questionnaires.
- New discussion on online surveys includes information on Amazon Mechanical Turk method of recruiting participants for data collection.
- Added discussion on Interactive Voice Response.
- New example of sampling.
- New illustrative article: Experimental Design.

Chapter 9

- Refined discussion on quantifying observed behaviors.
- New illustrative article: Conducting Experiments.

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Chapter 10

- Revised Illustrative Article: Complex Experimental Designs.

Chapter 11

- New Illustrative Article: A Longitudinal Study.

Chapter 13

- Added discussion on choosing a sample size.

Chapter 14

- Added an in-depth note on the open science initiative and the replication crisis in psychology.

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