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Titolo	Avoiding Questionable Research Practices in Applied Psychology // edited by William O'Donohue, Akihiko Masuda, Scott Lilienfeld
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ISBN	9783031049682 3031049683
Edizione	[1st ed. 2022.]
Descrizione fisica	1 online resource (vi, 447 pages) : illustrations (some color)
Disciplina	615.5028 158.072
Soggetti	Psychometrics Psychology Science - Philosophy Behavioral Sciences and Psychology Philosophy of Science
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	1. What are Questionable Research Practices? -- 2. The Logic of Research and Questionable Research Methods -- 3. Heuristics and Biases, Intellectual Humility, and Research Design -- 4. History of Replication Failures in Psychology -- 5. P Hacking -- 6. Methods of Detecting QRPs, Such as p curve Analysis -- 7. Controversies Regarding Null Hypothesis Testing -- 8. HARKING and Confirmatory vs. Exploratory Analyses -- 9. History of Statistical Controversies -- 10. Publication Bias and Negative Results -- 11. Power Analysis and Underpowered Studies -- 12. Controversies in Single Subject Designs -- 13. Ignoring Problematic Psychometrics -- 14. Honest and Transparent Report Writing -- 15. Effect Size Measurement -- 16. Pre-registration Models -- 17. Adversarial Research -- 18. Open Data -- 19. Replication Project -- 20. Summary: Designing, Conducting, and Reporting Research.
Sommario/riassunto	This authoritative volume presents a detailed analysis of the replication crisis and the use of questionable research practices (QRPs) in

psychology, as well as recommended practices for combatting these problems. Ultimately, the book aims to provide a comprehensive, current, and accessible account of the adverse effects of QRPs. The replication crisis in psychology and allied fields has exposed critical flaws in the standard views of research methods, which allow for extensive flexibility in data analysis by investigators and permit the widespread use of QRPs. Chapters examine the intentional use of QRPs such as data fabrication and falsification, along with subtler, unintentional practices such as p-hacking and HARKING (hypothesizing after results are known). Drawing on the growing awareness of these problems, contributors also highlight potential strategies to detect QRPs and minimize their negative impact through open data practices, preregistration of hypotheses and analyses, and adversarial collaborations, in which investigators holding opposing positions on a scientific issue agree to work together on a study in an effort to counteract their respective biases. Among the topics covered: History of controversies in statistics and replication Embracing intellectual humility while designing research Confirmatory vs. exploratory analyses Publication bias and negative results Promoting honest and transparent report writing Avoiding Questionable Research Practices in Applied Psychology provides a deeper understanding of how QRPs impede the reliability and trustworthiness of findings in psychology and the social sciences. It will be a practical, useful resource for students and instructors in graduate and advanced undergraduate level research methods classes, along with psychological researchers interested in improving their own research. .
