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Titolo	Handbook of research methods in health psychology / / edited by Deborah Fish Ragin and Julian Paul Keenan
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Nota di contenuto	Cover -- Half Title -- Title Page -- Copyright Page -- Contents -- About the Editors -- About the Contributors -- Preface -- Acknowledgments -- Part I Theories and Methodologies -- 1 Applying Theories in Health Psychology -- 2 Statistical Toolbox of Psychology -- 3 "The Circling Spirits Call Us Home": Marginal Methods, the Shaman, and Relational Approaches to Healing Research -- Part II Genetic Studies and Health -- 4 Genetics Research Methods -- 5 Research Methods in Alcoholism -- 6 Best Practices for Studying Addiction -- 7 Applications of Next-Generation Sequencing in Health Psychology -- 8 The Ethics of Genetics Research -- Part III Physiological Studies and Health -- 9 Physiological Research -- 10 Stress Physiology and Physiometrics -- 11 Cardiovascular Reactivity and Stress -- 12 Obesity and Nutrition: Physiological Studies -- 13 Social Networks, Depression, and Stress -- 14 Don't Sweat It! Neuroimaging Studies of Stress -- Part IV Population Demographics -- 15 Neighborhood Studies of Adolescent Health -- 16 Re-evaluating the Social Gradient -- 17 Chronic Illness: The Case of Chronic Fatigue Syndrome-Myalgic Encephalomyelitis -- 18 Gender and Aging Research Methods -- 19 Socioeconomic Context of Adolescent Health Risk Behaviors: Life Course Developmental Research Methods -- Part V Environmental Studies -- 20 Unique Environmental Determinants of Health: Natural,

Physical, and Community Factors -- 21 Multiple Ways of Understanding Vaccine Hesitance and Refusal -- 22 Violence and Health Through the Lifespan: The Critical Role of Childhood Exposures and Developmental Context -- 23 Environmental Exposures: Lead Studies -- 24 Geographic Determinants -- 25 Climate Change -- Part VI Health Policy and Future Directions in Research
26 Impact of Nutrition Health Policy on Outcomes -- 27 The Nexus Between Behavioral and Health Economics in the Universal Health Coverage Research Agenda -- 28 Next-Generation Genetics -- 29 Research Methodology and Psychoneuroimmunology -- 30 Nudge Theory -- Index.

Sommario/riassunto

In this comprehensive handbook, Ragin and Keenan present an all-encompassing analysis of the variety of different methods used in health psychology research. Featuring interdisciplinary collaborations from leading academics, this meticulously written volume is a guide to conducting cutting-edge research using tested and vetted best practices. It explains important research techniques, why they are selected and how they are conducted. The book critically examines both cutting-edge methods, such as those used in NextGen genetics, nudge theory, and the brain's vulnerability to addiction, as well as the classic methods, including cortisol measurement, survey, and environmental study. The topics of the book span the gamut of health psychology field, from neuroimaging and statistical analysis to socioeconomic issues such as the policies used to address diseases in Africa, anti-vaxers, and the disproportionate impact of climate change on impoverished people. With each section featuring examples of best research practices, recommendations for study samples, accurate use of instrumentation, analytical techniques, and advanced-level data analysis, this book will be an essential text for both emerging student researchers and experts in the field and an indispensable resource in health psychology programs.

2. Record Nr.	UNINA9910886080503321
Autore	Chouchane Mnaouar
Titolo	Design and Modeling of Mechanical Systems - VI : Proceedings of the 10th Conference on Design and Modeling of Mechanical Systems, CSM'2023, December 18-20, 2023, Hammamet, Tunisia - Volume 1: Mechanical Systems Analysis and Industrial Engineering // edited by Mnaouar Chouchane, Moez Abdennadher, Nizar Aifaoui, Fakher Chaari, Slim Bouaziz, Zouhaier Affi, Mohamed Haddar, Lotfi Romdhane, Abdelmajid Benamara
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Nota di contenuto	Chapter 1. Development of a Digital Twin Architecture using MBSE

Approach: Optimization of the Mechatronic Systems V-Model -- Chapter 2. Topological optimization of an automotive steering column lever -- Chapter 3. Hybrid metaheuristic optimization algorithm for the synthesis of a flexible four bar mechanism -- Chapter 4. Robot arm trajectory synthesis based on metaheuristic optimization techniques -- Chapter 5. Assembly path planning with collision avoidance -- Chapter 6. CAD-based methods for the modeling of planar parts assemblies with flatness defects -- Chapter 7. End of life disassembly plans of mechatronic systems based on energy consumption -- Chapter 8. Efficient tolerance for mechanical assemblies with interrelated dimension chains in a circular economy perspective -- Chapter 9. Tolerance analysis for the assembly of non-rigid parts with form defects -- Chapter 10. Automatic Generation of Dimensional Tolerance from Mating Relations Represented in Assembly Models -- Chapter 11. Numerical study of the bending of prestressed concrete beams: contribution of iron-based SMA -- Chapter 12. Numerical investigation on the inelastic instability of cruciform columns: Effect of material and geometric parameters -- Chapter 13. 3D finite element model for simulation of mechanical and electrochemical effects on corrosion defect of pipeline -- Chapter 14. Non-linear response of an intelligent FGP-MEE tapered panel -- Chapter 15. Phase-field regularized cohesive zone numerical modeling -- Etc...

Sommario/riassunto

This book offers a collection of original peer-reviewed contributions presented at the 10th International Congress on Design and Modeling of Mechanical Systems (CMSM'2023), held on December 18-20, 2023, in Hammamet, Tunisia. It reports on a wide spectrum of research findings, advanced methods and industrial applications relating to mechanical system behavior and vibration analysis. A special emphasis is given to numerical modeling and CFD simulation. Moreover, the book covers a set of industrial engineering problems and solutions, and applications of machine learning and artificial intelligence, e.g. in predictive maintenance. Continuing on the tradition of the previous editions, and with a good balance of theory and practice, this first volume of a 2-volume set offers a timely snapshot, and a useful resource for both researchers and professionals in the field of design and modeling of mechanical systems.
