

1. Record Nr.	UNINA9910484708003321
Autore	Kleinke Kristian
Titolo	Applied multiple imputation : advantages, pitfalls, new developments and applications in R // by Kristian Kleinke, Jost Reinecke, Daniel Salfrán, Martin Spiess
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2020
ISBN	3-030-38164-1
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (XI, 292 p. 20 illus., 3 illus. in color.)
Collana	Statistics for Social and Behavioral Sciences, , 2199-7357
Disciplina	001.422
Soggetti	Statistics Psychology—Methodology Psychological measurement R (Computer program language) Statistics for Social Sciences, Humanities, Law Psychological Methods/Evaluation Statistics for Life Sciences, Medicine, Health Sciences Statistical Theory and Methods Statistics and Computing/Statistics Programs
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	1 Introduction and Basic Concepts -- 2 Missing Data Mechanism and Ignorability -- 3 Missing Data Methods -- 4 Multiple Imputation: Theory -- 5 Multiple Imputation: Application -- 6 Multiple Imputation: New Developments -- A Appendices -- Index.
Sommario/riassunto	This book explores missing data techniques and provides a detailed and easy-to-read introduction to multiple imputation, covering the theoretical aspects of the topic and offering hands-on help with the implementation. It discusses the pros and cons of various techniques and concepts, including multiple imputation quality diagnostics, an important topic for practitioners. It also presents current research and new, practically relevant developments in the field, and demonstrates the use of recent multiple imputation techniques designed for situations where distributional assumptions of the classical multiple

imputation solutions are violated. In addition, the book features numerous practical tutorials for widely used R software packages to generate multiple imputations (norm, pan and mice). The provided R code and data sets allow readers to reproduce all the examples and enhance their understanding of the procedures. This book is intended for social and health scientists and other quantitative researchers who analyze incompletely observed data sets, as well as master's and PhD students with a sound basic knowledge of statistics. .
