MULTIPLE IMPUTATION OF MISSING DATA IN PRACTICE: BASIC THEORY AND ANALYSIS STRATEGIES 1ST EDITION, KINDLE EDITION

Yulei He , Guangyu Zhang , Chiu-Hsieh Hsu (2021)
Chapman and Hall/CRC
ISBN 9781498722063   xii+494 pp

This book provides a comprehensive account of the theory of multiple imputation. This issue has been developed for solving the impact of missing data. Theories and applications of it have produced a lot of papers. Actually there is a lot of methods for dealing with the treatment of missing-data using multiple imputations. This book provides a source for understanding and using multiple imputation methods . It may be used for obtaining the basic statistical concepts of the effect of having missing data and how to use the models, methods and softwares implementing multiple imputation strategies. At (https://github.com/he-zhang-hsu/multiple_imputation_book) are obtainable codes.
The ideas are developed and are used real data are studied for illustrating how they are to be applied in different types and families of problems that lead to solving the existence of missing data in cross-sectional data, longitudinal data, complex surveys, survival data, studies subject to measurement error among other models.

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INTRODUCTION TO CATEGORICAL DATA ANALYSIS (EASY STATISTICS)

Anusha Illukkumbura (2021)
ASIN : B094TCDGQS   V+ 66
ISBN-13 : 979-8502940757

This book is an addition to the collection of books on Categorical Data Analysis. It may be useful for new comers for obtaining an "eagle sight" of the theme. Professionals from medicine, social sciences, etc., will be grateful of having it as manual. But be careful of relying only in this cook-book for serious applications.

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INTRODUCTION TO STATISTICAL INVESTIGATIONS, 2ND EDITION

Nathan Tintle, Beth L. Chance, George W. Cobb, Allan J. Rossman, Soma Roy, Todd Swanson, Jill VanderStoep (2020)
Wiley ISBN: 978-1-119-68356-8   xx+752 pp

The present is a modern source for understanding the variation sources and effects present in statistical studies. It is a good source for improving statistical literacy of newcomers looking for using statistics in their research and students. The reader must be at home with the basic of mathematics and computer programming. The book is divided into Preliminaries Introduction to Statistical Investigations, Four Pillars of Inference: Strength, Size, Breadth, and Cause, Generalization: How Broadly Do the Results Apply? , Estimation: How Large Is the Effect? , Causation: Can We Say What Caused the Effect?, Comparing Two Proportions, Comparing Two Means, Paired Data: One Quantitative Variable , Comparing More Than Two Proportions , Comparing More Than Two Means, Two Quantitative Variables , Modeling Randomness. The authors provided at the end of each chapter a coherent presentation of how statistical exploration should be planned and illustrated why it is a general investigation methodology. They end with the presentation of real life applications of statistics.

 Papers and worked examples are used for improving the skills that were expected from the readers. Examples are accompanied by applets enabling the planning of simulations. Are also available optional online-only facilities, as videos,

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