

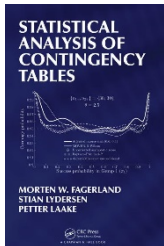
学際的 統計分野

新刊・近刊ご案内(2017 年上期)

外国出版社の出版案内のなかから[社会科学および行動科学の統計]を選んでご案内致します。ご注文・お見積りなどお気軽にお申し込みください。

(価格(税込)記載)

1 緊急時対応表の統計分析



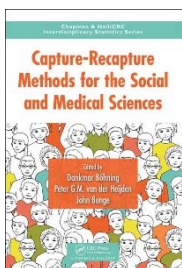
Statistical Analysis of Contingency Tables

Edited by Morten Fagerland, Stian Lydersen, Petter Laake
2017年7月出版- 634 Pages - 180 B/W Illustrations, ハードカバー ISBN 9781466588172 -(Chapman and Hall/CRC) P77 ¥16,630

サンプルの章やソフトウェアを含む詳細については、著者のWebサイトを参照してください。

Statistical Analysis of Contingency Tables is an invaluable tool for statistical inference in contingency tables. It covers effect size estimation, confidence intervals, and hypothesis tests for the binomial and the multinomial distributions, unpaired and paired 2x2 tables, rxc tables, ordered rx2 and 2xc tables, paired cxc tables, and stratified tables. For each type of table, key concepts are introduced, and a wide range of intervals and tests, including recent and unpublished methods and developments, are presented and evaluated. Topics such as diagnostic accuracy, inter-rater reliability, and missing data are also covered. The presentation is concise and easily accessible for readers with diverse professional backgrounds, with the mathematical details kept to a minimum.

2. 社会科学と医療科学のための捕獲-標識-再捕獲法



Capture-Recapture Methods for the Social and Medical Sciences

Edited by Dankmar Böhning, Peter G.M. van der Heijden, John Bunge
2017年7月出版- 430 Pages - 82 B/W Illustrations, ハードカバー ISBN 9781498745314 -(Chapman and Hall/CRC) P92 ¥19,870

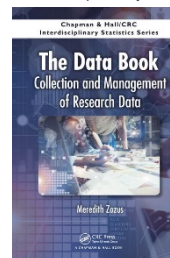
この本は、社会科学および医学における捕捉再捕捉方法の適用に関心のあるすべての人に適しています

Capture-recapture methods have been used in biology and ecology for more than 100 years. However, it is only recently

that these methods have become popular in the social and medical sciences to estimate the size of elusive populations such as illegal immigrants, illicit drug users, or people with a drinking problem. Capture-Recapture Methods for the Social and Medical Sciences brings together important developments which allow the application of these methods. It has contributions from more than 40 researchers, and is divided into eight parts, including topics such as ratio regression models, capture-recapture meta-analysis, extensions of single and multiple source models, latent variable models and Bayesian approaches.

The book is suitable for everyone who is interested in applying capture-recapture methods in the social and medical sciences. Furthermore, it is also of interest to those working with capture-recapture methods in biology and ecology, as there are some important developments covered in the book that also apply to these classical application areas.

3. データブック: 研究データの収集と管理



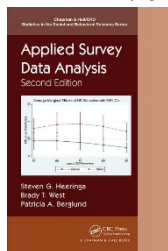
The Data Book: Collection and Management of Research Data

Edited by Morten Fagerland, Stian Lydersen, Petter Laake
2017年7月出版- 336 Pages - 30B/W Illustrations, ハードカバー ISBN 9781498742245 -(Chapman and Hall/CRC) P6199 ¥13,380

研究のためのデータの収集と管理方法を扱う研究者と研究チームのメンバーのために書かれた最初の実用的な本です。**The Data Book: Collection and Management of Research Data** is the first practical book written for researchers and research team members covering how to collect and manage data for research. The book covers basic types of data and fundamentals of how data grow, move and change over time. Focusing on pre-publication data collection and handling, the text illustrates use of these key concepts to match data collection and management methods to a particular study, in essence, making good decisions about data.

The first section of the book defines data, introduces fundamental types of data that bear on methodology to collect and manage them, and covers data management planning and research reproducibility. The second section covers basic principles of and options for data collection and processing emphasizing error resistance and traceability. The third section focuses on managing the data collection and processing stages of research such that quality is consistent and ultimately capable of supporting conclusions drawn from data. The final section of the book covers principles of data security, sharing, and archival. This book will help graduate students and researchers systematically identify and implement appropriate data collection and handling methods.

4. 応用調査データ解析、第2版



Applied Survey Data Analysis, 2nd Edition

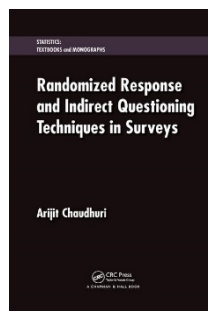
Edited by Steven G. Heeringa, Brady T. West, Patricia A. Berglund
2017年6月出版- 568 Pages - 46B/W Illustrations, ハードカバー ISBN 9781498761604 -(Chapman and Hall/CRC) P6999 ¥15,110

この第2版では、第1版の記述分析と回帰モデリングの実践的なアプローチについての豊富な資料をもとに、最新の統計ソフトウェアを使用した調査データの分析に関する最新のアプローチの詳細な例を紹介し

Highly recommended by the Journal of Official Statistics, The American Statistician, and other journals, Applied Survey Data Analysis, Second Edition provides an up-to-date overview of state-of-the-art approaches to the analysis of complex sample survey data. Building on the wealth of material on practical approaches to descriptive analysis and regression modeling from the first edition, this second edition expands the topics covered and presents more step-by-step examples of modern approaches to the analysis of survey data using the newest statistical software.

Designed for readers working in a wide array of disciplines who use survey data in their work, this book continues to provide a useful framework for integrating more in-depth studies of the theory and methods of survey data analysis. An example-driven guide to the applied statistical analysis and interpretation of survey data, the second edition contains many new examples and practical exercises based on recent versions of real-world survey data sets. Although the authors continue to use Stata for most examples in the text, they also continue to offer SAS, SPSS, SUDAAN, R, WesVar, IVEware, and Mplus software code for replicating the examples on the book's updated website.

5. 調査における無作為化応答と間接的質問手法



Randomized Response and Indirect Questioning Techniques in Surveys

Edited by Arijit Chaudhuri
2017年5月出版- 228 Pages - ソフトカバー ISBN 9781138115422 -(Chapman and Hall/CRC) P5999 ¥12,950 普及版

RRの世界の主要な専門家の1人が執筆した調査での無作為回答と間接質問技法では、RRの現状と現場での新しい開発について説明しています。著者はまた、等しくない確率サンプリングを用いる状況にRRをどのように拡張するかについて説明する。

For surveys involving sensitive questions, randomized response techniques (RRTs) and other indirect questions are helpful in obtaining survey responses while maintaining the privacy of the respondents. Written by one of the leading experts in the world on RR, Randomized Response and Indirect Questioning Techniques in Surveys describes the current state of RR as well as emerging developments in the field. The author also explains how to extend RR to situations employing unequal probability sampling.

6. Rを使用した例による探索的多変量解析第2版 Exploratory Multivariate Analysis by Example Using R, 2nd Edition

Edited by Francois Husson, Sebastien Le, Jérôme Pagès
2017年4月出版- 248 Pages - 86 B/W Illustrations, ハードカバー ISBN 9781138196346 -(Chapman and Hall/CRC) P77 ¥16,630.

本書は、適用統計学者、医学研究や社会科学を含むさまざまな分野の研究者にアピールするために、最小限の数学を使って書かれています。読者は、本書に記載されている理論、例、およびソフトウェアを使用して、実際の変量データに完全に対応することができます。

Full of real-world case studies and practical advice, Exploratory Multivariate Analysis by Example Using R, Second Edition focuses on four fundamental methods of multivariate exploratory data analysis that are most suitable for applications. It covers principal component analysis (PCA) when variables are quantitative, correspondence analysis (CA) and multiple correspondence analysis (MCA) when variables are categorical, and hierarchical cluster analysis.

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