SINOPSIS PILIHAN PERPUSTAKAAN INSTITUT LATIHAN STATISTIK MALAYSIA BILANGAN 4 /2021

KOLEKSI PERPUSTAKAAN ILSM

COMMON ERRORS IN STATISTICS (and Hpw to Avoid Them)

Common Errors in Statistics (and How to Avoid Them), Fourth Edition provides a mathematically rigorous, yet readily accessible foundation in statistics for experienced readers as well as students learning to design and complete experiments, surveys, and clinical trials.

Providing a consistent level of coherency throughout, the highly readable *Fourth Edition* focuses on debunking popular myths, analyzing common mistakes, and instructing readers on how to choose the appropriate statistical technique to address their specific task.

The authors begin with an introduction to the main sources of error and provide techniques for avoiding them. Subsequent chapters outline key methods and practices for accurate analysis, reporting, and model building
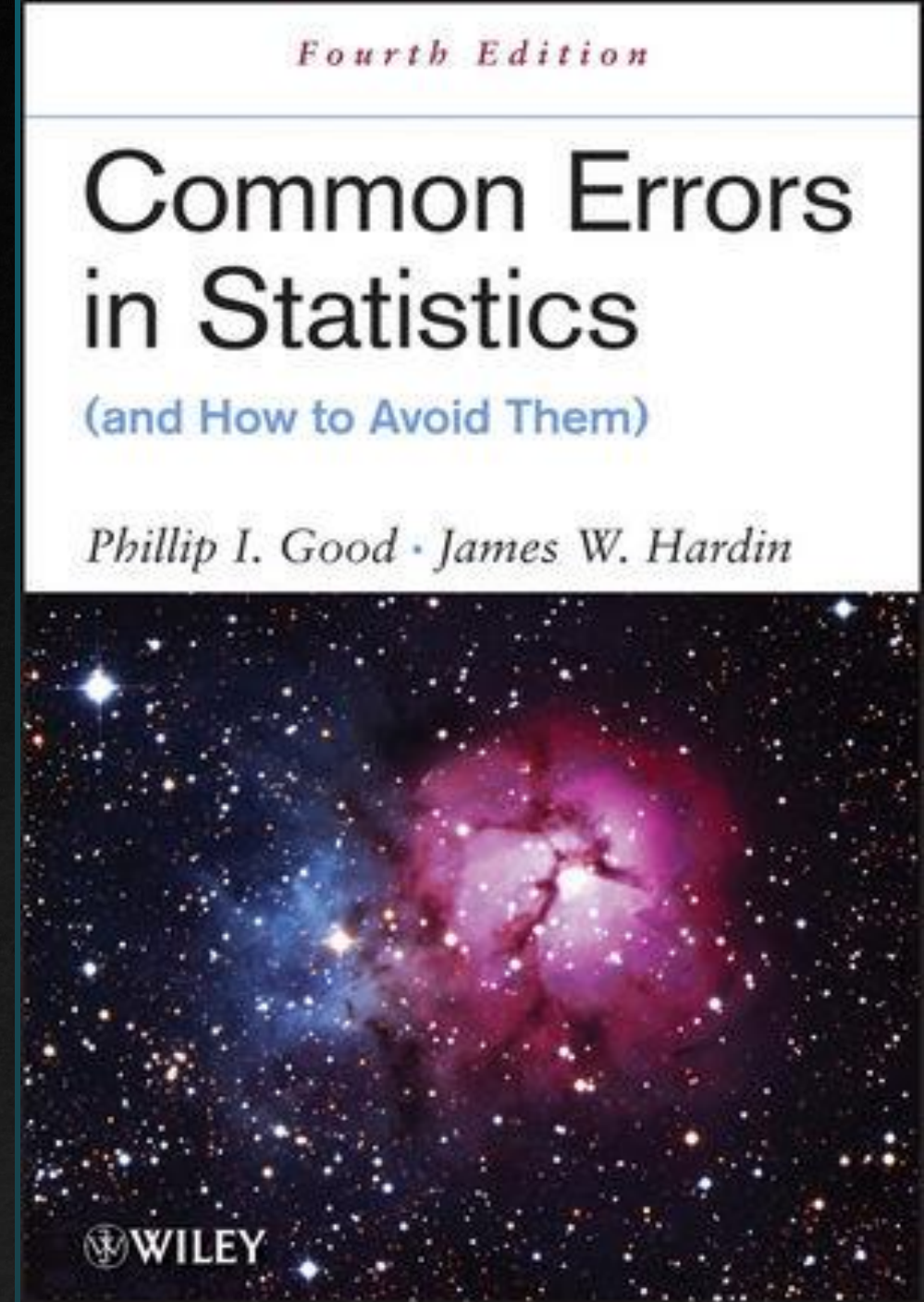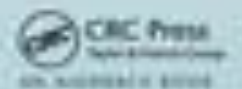
THE ANALYTICS PROCESS

This book is about the process of using analytics and the capabilities of analytics in today's organizations. Cutting through the buzz surrounding the term *analytics* and the overloaded expectations about using analytics, the book demystifies analytics with an in-depth examination of concepts grounded in operations research and management science.

For this reason, the book focuses on the analytics process. What is intrinsic to analytics' real organizational impact are the careful application of tools and the thoughtful application of their outcomes. This work emphasizes analytics as part of a process that supports decision-making within organizations. It wants to debunk overblown expectations that somehow analytics outputs or analytics as applied to other concepts, such as Big Data, are the be-all and end-all of the analytics process. They are, instead, only a step within a holistic and critical approach to management thinking that can create real value for an organization.

The Analytics
Process

Strategic and Tactical Steps

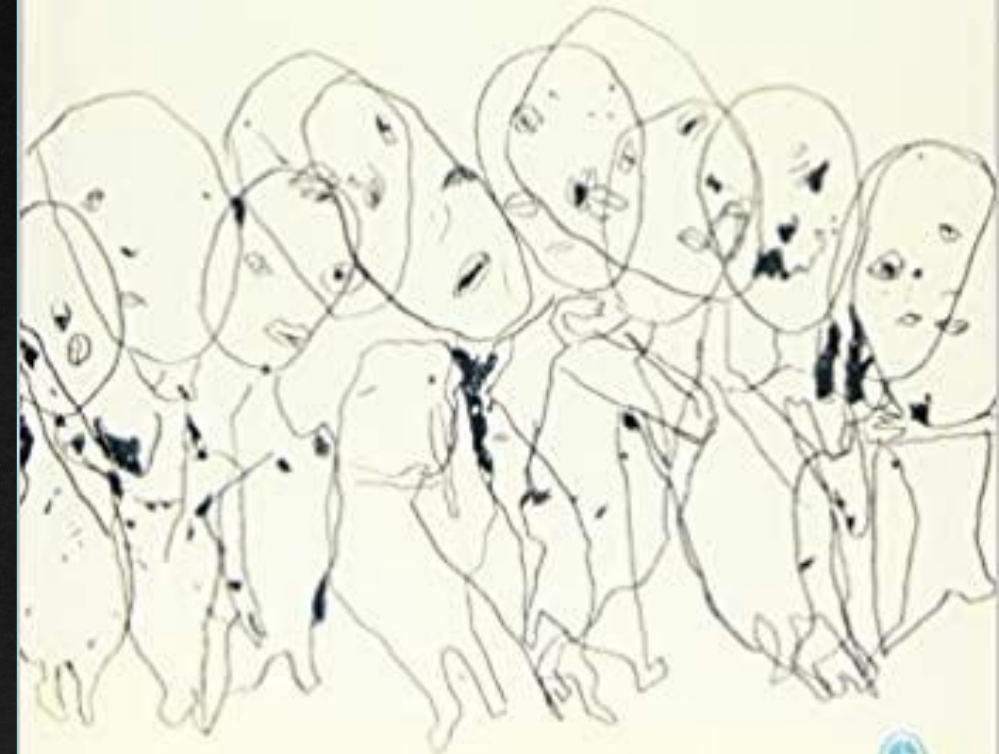Edited by Eduardo Rodriguez

CRC Press

DESIGNING & DOING SURVEY RESEARCH

Designing and Doing Survey Research is an introduction to the processes and methods of planning and conducting survey research. With a focus on the impact of new technologies, author Lesley Andres provides a cutting-edge look at how survey research is conducted today as well as the challenges survey researchers face. Packed full of international examples from various social science disciplines, the book is ideal for students and researchers new to survey research.
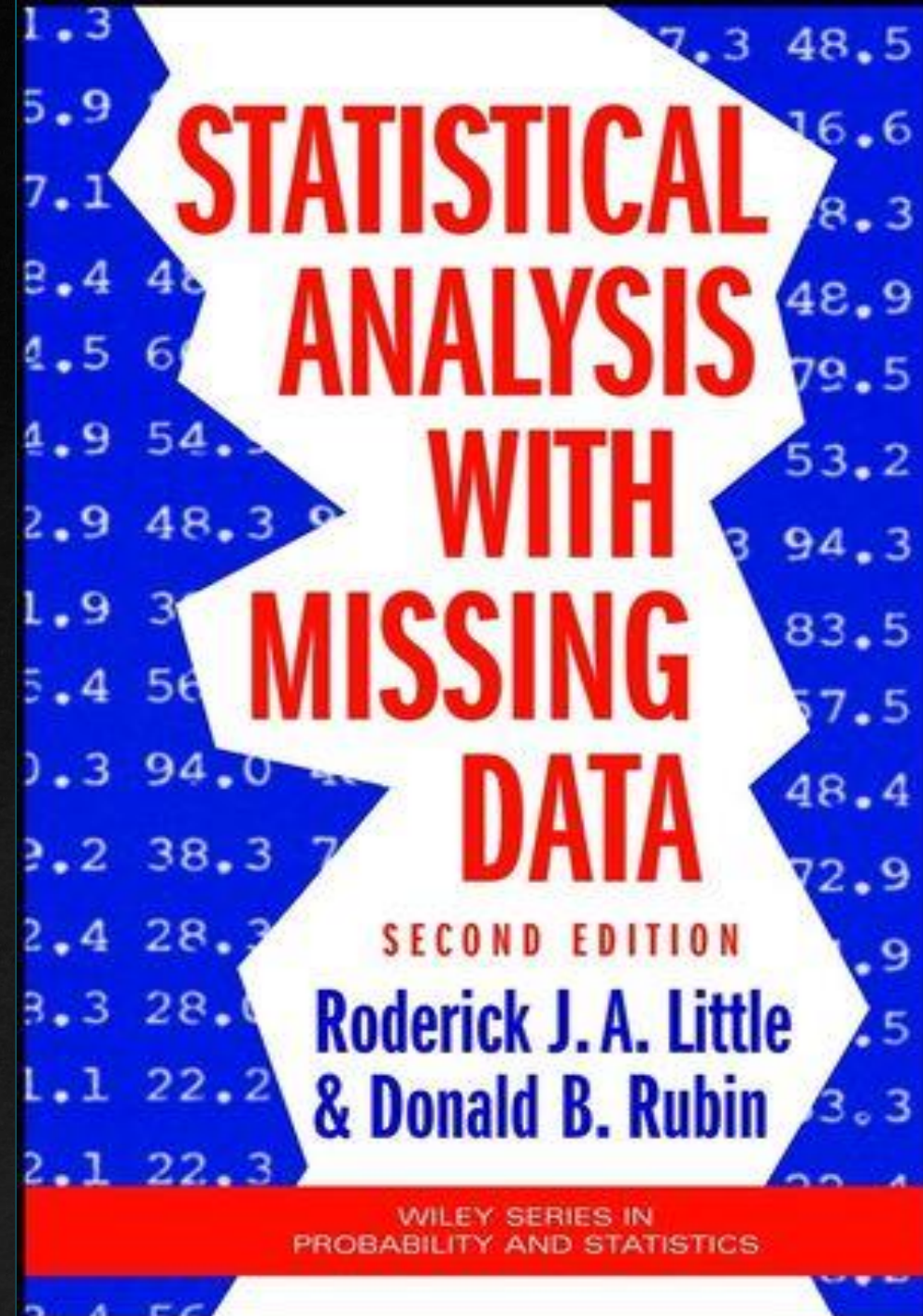
STATISTICAL ANALYSIS WITH MISSING DATA

Statistical analysis of data sets with missing values is a pervasive problem for which standard methods are of limited value. The first edition of Statistical Analysis with Missing Data has been a standard reference on missing-data methods. Now, reflecting extensive developments in Bayesian methods for simulating posterior distributions, this Second Edition by two acknowledged experts on the subject offers a thoroughly up-to-date, reorganized survey of current methodology for handling missing-data problems.

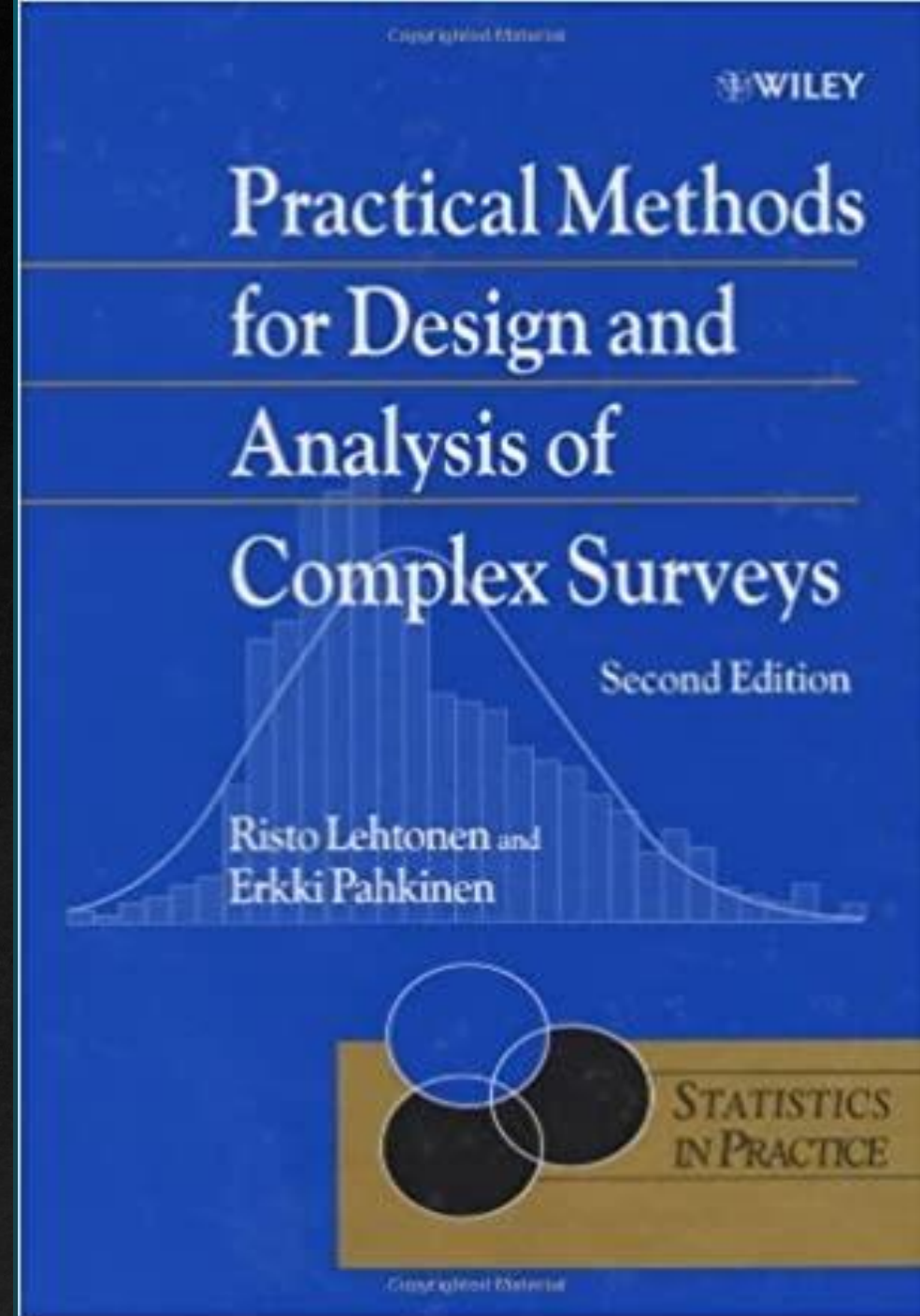Blending theory and application, authors Roderick Little and Donald Rubin review historical approaches to the subject and describe rigorous yet simple methods for multivariate analysis with missing values. They then provide a coherent theory for analysis of problems based on likelihoods derived from statistical models for the data and the missing-data mechanism and apply the theory to a wide range of important missing-data problems.

PRACTICAL METHODS FOR DESIGN AND ANALYSIS OF COMPLEX SURVEYS

Practical Methods for Design and Analysis of Complex Surveys features intermediate and advanced statistical techniques for use in designing and analysing complex surveys. This extensively updated edition features much new material, and detailed practical exercises with links to a Web site, helping instructors and enabling use for distance learning.

❑ Provides a comprehensive introduction to sampling and estimation in descriptive surveys, including design effect statistic and use of auxiliary data.

❑ Includes detailed coverage of complex survey analysis, including design-based ANOVA and logistic regression with GEE estimation.

❑ Contains much new material, including handling of non-sampling errors and model-assisted estimation for domains.

❑ Features detailed real-li fe case studies, such as multilevel modeling in a multinational educational survey.

❑ Supported by a Web site containing software codes, real data sets, computerized exercises with solutions, and online training materials.

Practical Methods for Design and Analysis of Complex Surveys

Second Edition

Risto Lehtonen and Erkki Pahkinen

STATISTICS IN PRACTICE

THE HUMAN ELEMENT OF BIG DATA

The proposed book talks about the participation of human in Big Data.How human as a component of system can help in making the decision process easier and vibrant.It studies the basic build structure for big data and also includes advanced research topics.In the field of Biological sciences, it comprises genomic and proteomic data also. The book swaps traditional data management techniques with more robust and vibrant methodologies that focus on current requirement and demand through human computer interfacing in order to cope up with present business demand. Overall, the book is divided in to five parts where each part contains 4-5 chapters on versatile domain with human side of Big Data.

THE HUMAN ELEMENT OF
BIG DATA
ISSUES, ANALYTICS, AND PERFORMANCE

EDITED BY
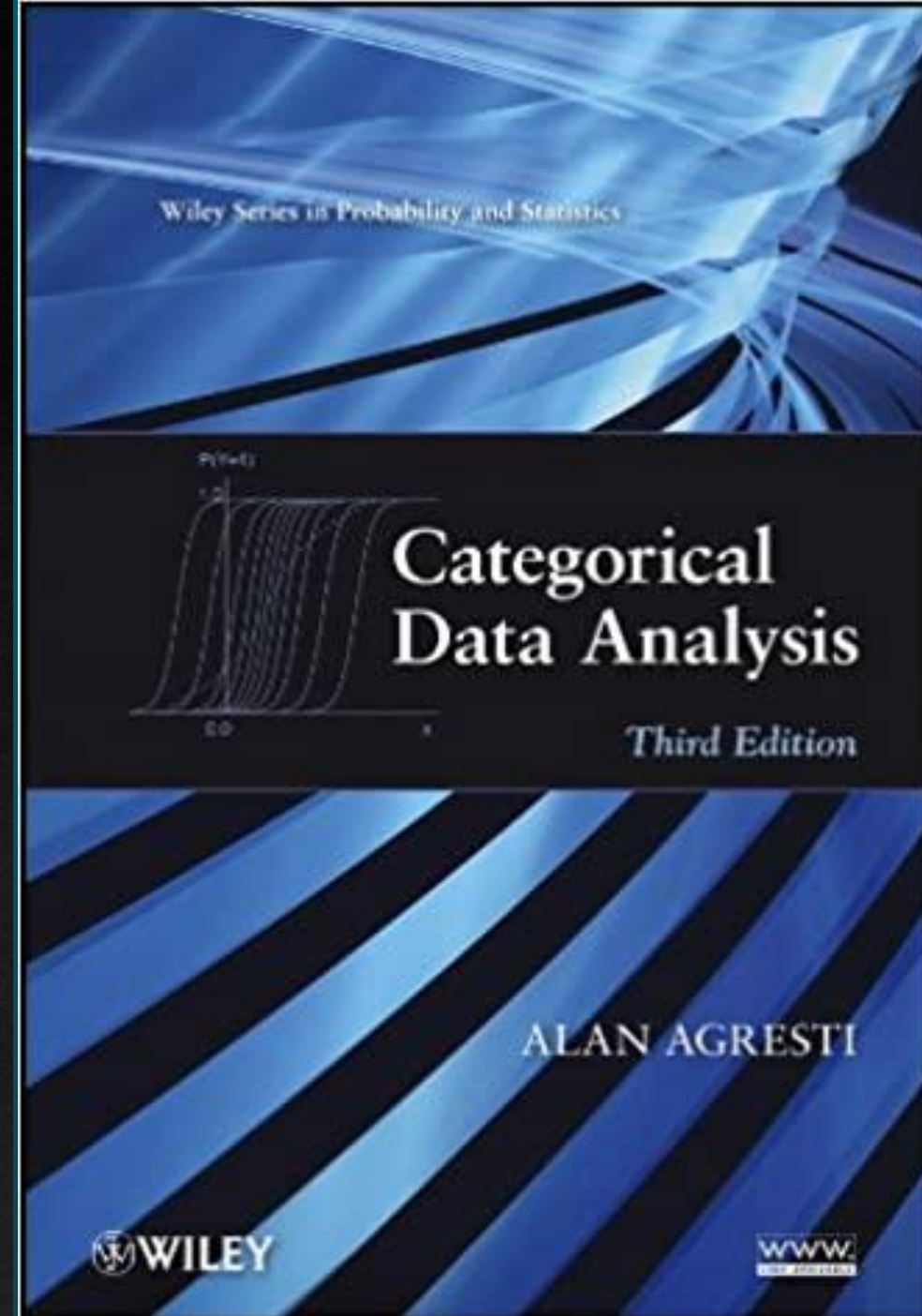GEETAM S. TOMAR
NARENDRA S. CHAUDHARI
ROBIN SINGH BHADORIA
GANESH CHANDRA DEKA

CRC Press
Taylor & Francis Group
A CHAPMAN & HALL BOOK

CATEGORICAL DATA ANALYSIS

Categorical Data Analysis, Third Edition summarizes the latest methods for univariate and correlated multivariate categorical responses. Readers will find a unified generalized linear models approach that connects logistic regression and Poisson and negative binomial loglinear models for discrete data with normal regression for continuous data. This edition also features:

- An emphasis on logistic and probit regression methods for binary, ordinal, and nominal responses for independent observations and for clustered data with marginal models and random effects models
- Two new chapters on alternative methods for binary response data, including smoothing and regularization methods, classification methods such as linear discriminant analysis and classification trees, and cluster analysis
- New sections introducing the Bayesian approach for methods in that chapter
- More than 100 analyses of data sets and over 600 exercises
- Notes at the end of each chapter that provide references to recent research and topics not covered in the text, linked to a bibliography of more than 1,200 sources
- A supplementary website showing how to use R and SAS; for all examples in the text, with information also about SPSS and Stata and with exercise solutions
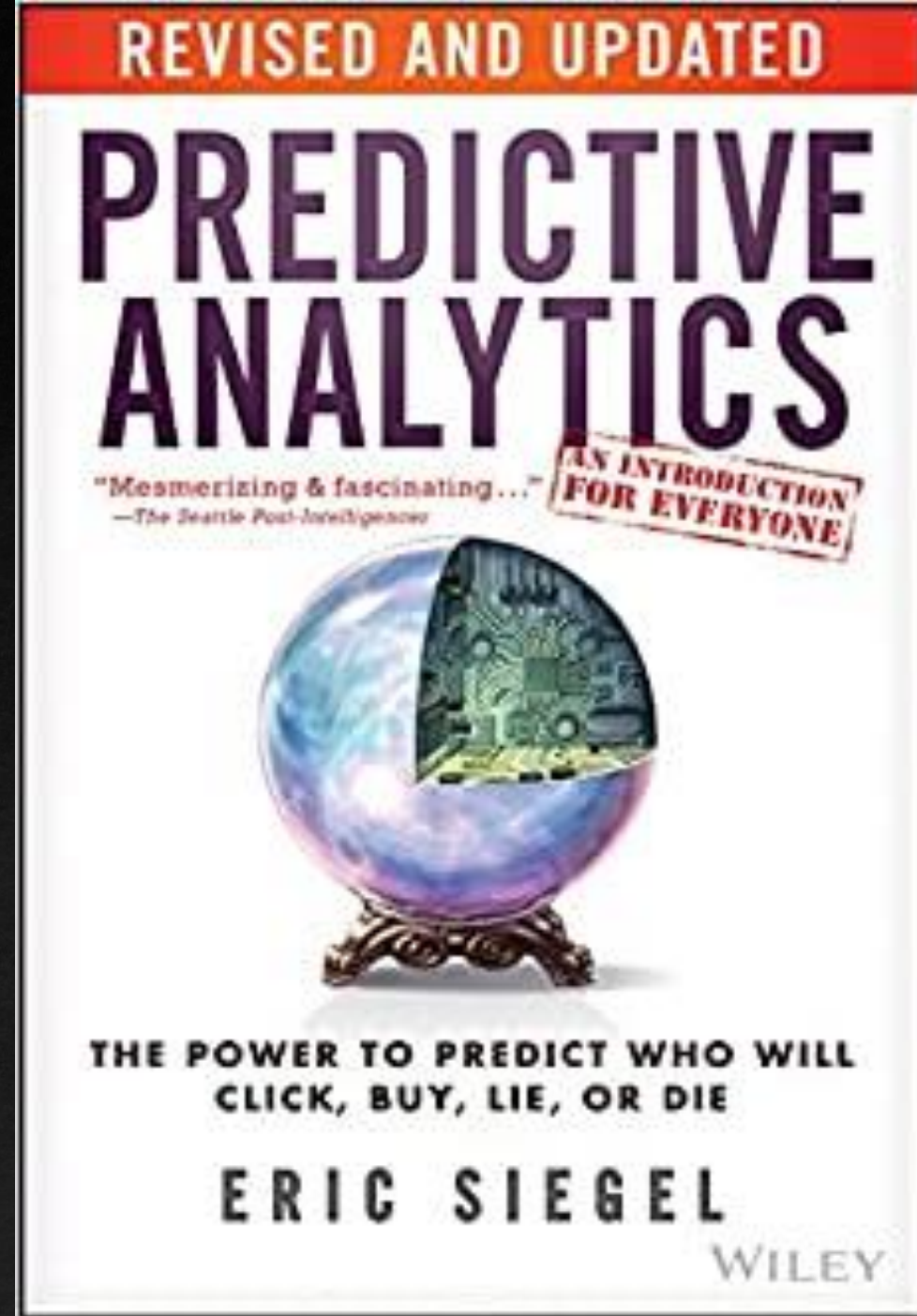
PREDECTIVE ANALYTICS

Predictive analytics (aka machine learning) unleashes the power of data. With this technology, the computer literally learns from data how to predict the future behavior of individuals. Perfect prediction is not possible, but putting odds on the future drives millions of decisions more effectively, determining whom to call, mail, investigate, incarcerate, set up on a date, or medicate.

In this lucid, captivating introduction — *now in its Revised and Updated edition* — former Columbia University professor and Predictive Analytics World founder Eric Siegel reveals the power and perils of prediction.

How does predictive analytics work? This jam-packed book satisfies by demystifying the intriguing science under the hood. For future hands-on practitioners pursuing a career in the field, it sets a strong foundation, delivers the prerequisite knowledge, and whets your appetite for more. A truly omnipresent science, predictive analytics constantly affects our daily lives. Whether you are a consumer of it — or consumed by it — get a handle on the power of *Predictive Analytics*.
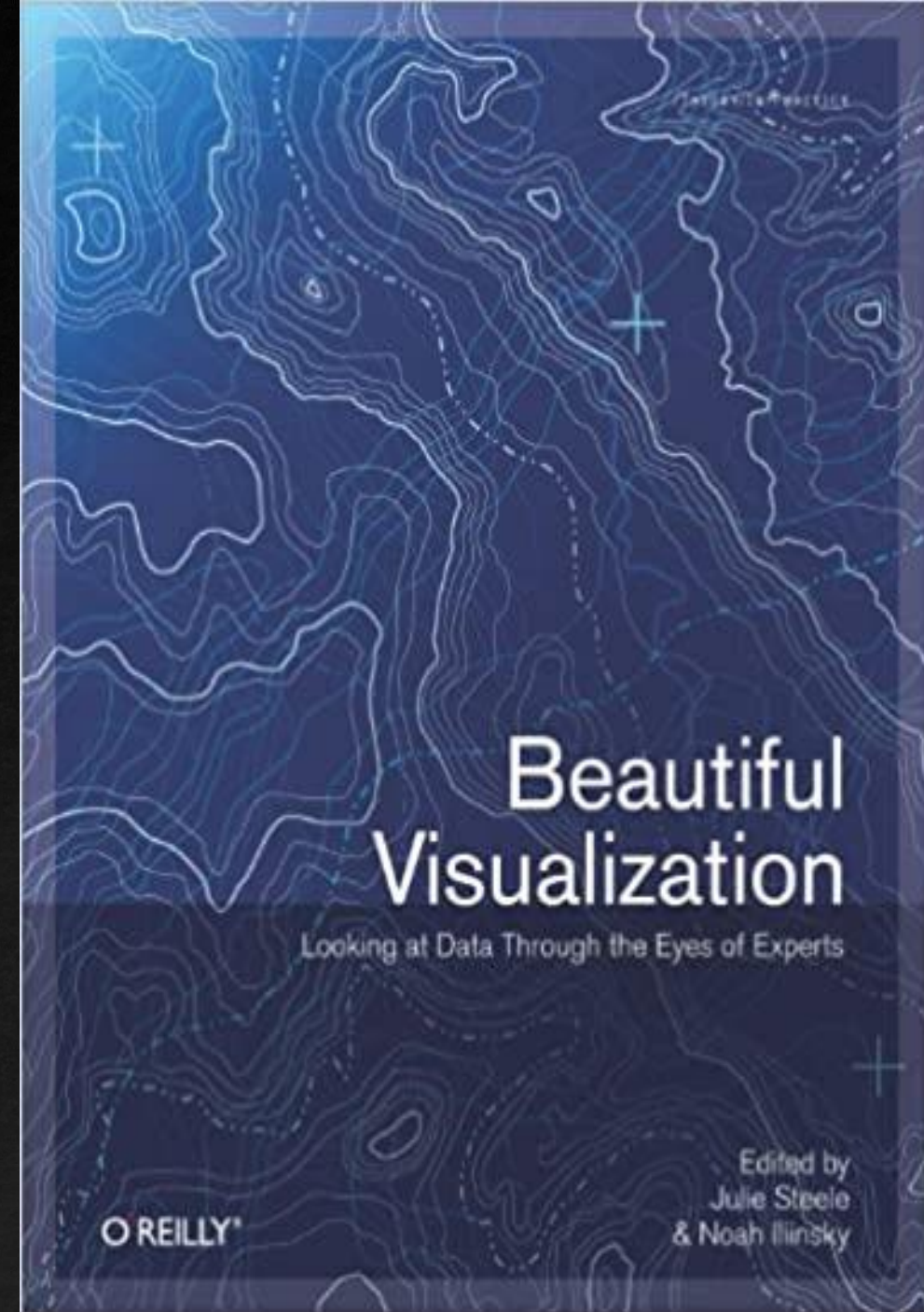
BEAUTIFUL VISUALIZATION

Visualization is the graphic presentation of data -- portrayals meant to reveal complex information at a glance. Think of the familiar map of the New York City subway system, or a diagram of the human brain. Successful visualizations are beautiful not only for their aesthetic design, but also for elegant layers of detail that efficiently generate insight and new understanding.

This book examines the methods of two dozen visualization experts who approach their projects from a variety of perspectives -- as artists, designers, commentators, scientists, analysts, statisticians, and more. Together they demonstrate how visualization can help us make sense of the world.

- Explore the importance of storytelling with a simple visualization exercise
- Learn how color conveys information that our brains recognize before we're fully aware of it
- Discover how the books we buy and the people we associate with reveal clues to our deeper selves
- Recognize a method to the madness of air travel with a visualization of civilian air traffic
- Find out how researchers investigate unknown phenomena, from initial sketches to published papers

Beautiful
Visualization
Looking at Data Through the Eyes of Experts

Edited by
Julie Steele
& Noah Iliinsky

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TUN ABDUL RAZAK : POTRET DALAM KENANGAN

Koleksi ini ditulis oleh mereka yang betul-betul mengenali Allahyarham Tun Razak Bin Dato' Hussein secara rapat. Antara mereka ialah para sahabat,rakan-rakan sekerja dan ahli keluarga.

Kompilasi ini adalah satu penghargaan kepada insan yang telah memberi sepenuh pengorbanan kepada Negara. Dedikasi beliau telah menjadikan beliau seorang patriotik. Tun Razak merupakan seorang insan yang unik, beliau sangat tekun bekerja serta mempunyai pembawaan diri yang serius tetapi mampu berjenaka secara bersahaja.

Beliau merupakan seorang arkitek Malaysia,pada tahun akhir hayatnya beliau terus bekerja dengan lebih tekun untuk membentuk Barisan Nasional walaupun beliau menghidap penyakit leukimia. Semua kisah beliau ini merupakan satu lakaran yang disentuh mengikut pengedaran masa.

TERIMA KASIH