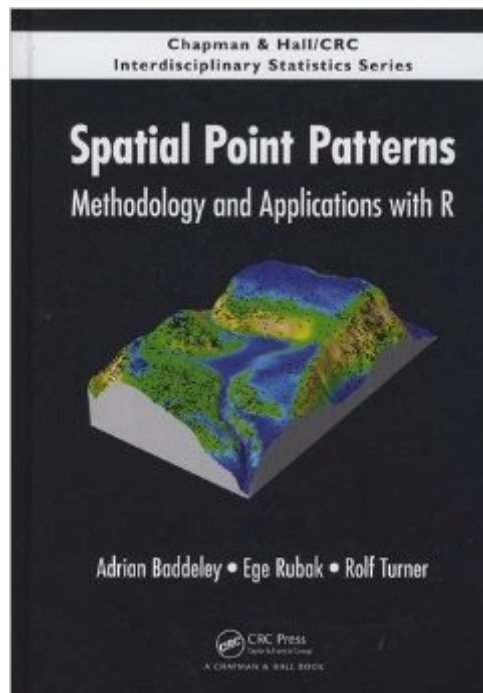


The book was found

Spatial Point Patterns: Methodology And Applications With R (Chapman & Hall/CRC Interdisciplinary Statistics)



Synopsis

Modern Statistical Methodology and Software for Analyzing Spatial Point Patterns Spatial Point Patterns: Methodology and Applications with R shows scientific researchers and applied statisticians from a wide range of fields how to analyze their spatial point pattern data. Making the techniques accessible to non-mathematicians, the authors draw on their 25 years of software development experiences, methodological research, and broad scientific collaborations to deliver a book that clearly and succinctly explains concepts and addresses real scientific questions. Practical Advice on Data Analysis and Guidance on the Validity and Applicability of Methods The first part of the book gives an introduction to R software, advice about collecting data, information about handling and manipulating data, and an accessible introduction to the basic concepts of point processes. The second part presents tools for exploratory data analysis, including non-parametric estimation of intensity, correlation, and spacing properties. The third part discusses model-fitting and statistical inference for point patterns. The final part describes point patterns with additional "structure," such as complicated marks, space-time observations, three- and higher-dimensional spaces, replicated observations, and point patterns constrained to a network of lines. Easily Analyze Your Own Data Throughout the book, the authors use their spatstat package, which is free, open-source code written in the R language. This package provides a wide range of capabilities for spatial point pattern data, from basic data handling to advanced analytic tools. The book focuses on practical needs from the user's perspective, offering answers to the most frequently asked questions in each chapter.

Book Information

Series: Chapman & Hall/CRC Interdisciplinary Statistics

Hardcover: 828 pages

Publisher: Chapman and Hall/CRC (November 24, 2015)

Language: English

ISBN-10: 1482210207

ISBN-13: 978-1482210200

Product Dimensions: 7.1 x 1.8 x 10.1 inches

Shipping Weight: 3.9 pounds (View shipping rates and policies)

Average Customer Review: 5.0 out of 5 stars See all reviews (2 customer reviews)

Best Sellers Rank: #317,405 in Books (See Top 100 in Books) #23 in Books > Computers & Technology > Programming > Graphics & Multimedia > GIS #834 in Books > Textbooks >

Science & Mathematics > Mathematics > Statistics #1259 inÂ Books > Science & Math > Mathematics > Applied > Probability & Statistics

Customer Reviews

Baddeley, Rubak and Turner had the capability to explain and illustrated the theory, math, principles and applications of spatial point pattern analysis in such way that people in different disciplines have the capability to grasp all this information and applied into their own fields. Their contribution goes beyond the theoretical background, it is supported by the spatstat package. The book is well organized, the reader would find background, examples and implementation. Even for people who is not fully comfortable with R. Go to the book's website to find few corrections in the text and full code.

Best book in the field of the point pattern.

[Download to continue reading...](#)

Hacking: Tapping into the Matrix Tips, Secrets, steps, hints, and hidden traps to hacking: Hacker, Computer, Programming, Security & Encryption Jack and the Hungry Giant Eat Right With Myplate Information Architecture: For the Web and Beyond Keep Your Love On: Connection Communication And Boundaries The Smarter Screen: Surprising Ways to Influence and Improve Online Behavior The New Rules for Love, Sex, and Dating A Lifelong Love: How to Have Lasting Intimacy, Friendship, and Purpose in Your Marriage Beautiful Data: A History of Vision and Reason since 1945 (Experimental Futures) Garden City: Work, Rest, and the Art of Being Human. Fear and Faith: Finding the Peace Your Heart Craves To Heaven and Back: The Journey of a Roman Catholic Priest A Doctor's Tools (Community Helpers and Their Tools) Why Suffering?: Finding Meaning and Comfort When Life Doesn't Make Sense Rainbow Warriors and the Golden Bow: Yoga Adventure for Children (Rainbow Warriors Yoga Series) Touching Heaven: A Cardiologist's Encounters with Death and Living Proof of an Afterlife Machines of Loving Grace: The Quest for Common Ground Between Humans and Robots Husband After God: Drawing Closer To God And Your Wife Sex is a Funny Word: A Book about Bodies, Feelings, and YOU Learn Command Line and Batch Script Fast, Vol II: A course from the basics of Windows to the edge of networking How to Start a Business Analyst Career: The handbook to apply business analysis techniques, select requirements training, and explore job roles ... career (Business Analyst Career Guide)

[Dmca](#)