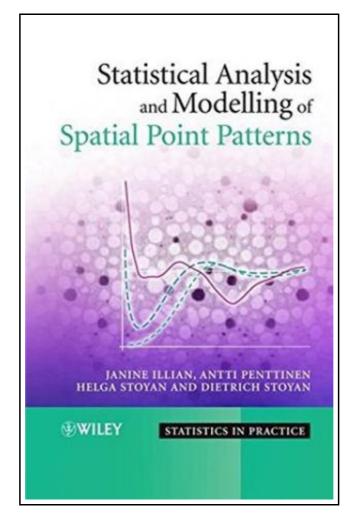
Statistical Analysis and Modelling of Spatial Point Patterns



Filesize: 8.08 MB

Reviews

Absolutely one of the better ebook I have got actually read. Indeed, it is actually engage in, still an amazing and interesting literature. I realized this book from my i and dad advised this ebook to learn. (Flo Welch)

STATISTICAL ANALYSIS AND MODELLING OF SPATIAL POINT PATTERNS



Wiley-Interscience, 2008. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: Preface.List of Examples.1. Introduction.1.1 Point process statistics.1.2 Examples of point process data.1.2.1 A pattern of amacrine cells.1.2.2 Gold particles.1.2.3 A pattern of Western Australian plants.1.2.4 Waterstriders.1.2.5 A sample of concrete.1.3 Historical notes.1.3.1 Determination of number of trees in a forest.1.3.2 Number of blood particles in a sample.1.3.3 Patterns of points in plant communities.1.3.4 Formulating the power law for the pair correlation function for galaxies.1.4 Sampling and data collection.1.4.1 General remarks. 1.4.2 Choosing an appropriate study area. 1.4.3 Data collection. 1.5 Fundamentals of the theory of point processes.1.6 Stationarity and isotropy.1.6.1 Model approach and design approach.1.6.2 Finite and infinite point processes.1.6.3 Stationarity and isotropy.1.6.4 Ergodicity.1.7 Summary characteristics for point processes.1.7.1 Numerical summary characteristics.1.7.2 Functional summary characteristics.1.8 Secondary structures of point processes.1.8.1 Introduction.1.8.2 Random sets.1.8.3 Random fields.1.8.4 Tessellations.1.8.5 Neighbour networks or graphs.1.9 Simulation of point processes.2. The Homogeneous Poisson point process.2.1 Introduction.2.2 The binomial point process.2.2.1 Introduction.2.2.2 Basic properties.2.2.3 The periodic binomial process.2.2.4 Simulation of the binomial process.2.3 The homogeneous Poisson point process.2.3.1 Introduction.2.3.2 Basic properties.2.3.3 Characterisations of the homogeneous Poisson process.2.4 Simulation of a homogeneous Poisson process.2.5 Model characteristics.2.5.1 Moments and moment measures.2.5.2 The Palm distribution of a homogeneous Poisson process.2.5.3 Summary characteristics of the homogeneous Poisson process.2.6 Estimating the intensity.2.7 Testing complete spatial randomness.2.7.1 Introduction.2.7.2 Quadrat counts.2.7.3 Distance methods.2.7.4 The J-test.2.7.5 Two index-based tests.2.7.6 Discrepancy tests.2.7.7 The L-test. 2.7.8 Other tests and recommendations. 3. Finite point processes. 3.1 Introduction. 3.2 Distributions of numbers of points.3.2.1 The binomial distribution.3.2.2 The Poisson distribution.3.2.3 Compound distributions.3.2.4 Generalised distributions.3.3 Intensity functions and their estimation.3.3.1 Parametric statistics for the intensity function.3.3.2 Non-parametric estimation of the intensity function.3.3.3 Estimating the point density distribution function.3.4 Inhomogeneous Poisson process and finite Cox process.3.4.1 The inhomogeneous Poisson process.3.4.2 The finite Cox process.3.5 Summary characteristics for finite point processes.3.5.1 Nearest-neighbour distances.3.5.2...



Read Statistical Analysis and Modelling of Spatial Point Patterns Online Download PDF Statistical Analysis and Modelling of Spatial Point Patterns

Other eBooks



Grandpa Spanielson's Chicken Pox Stories: Story #1: The Octopus (I Can Read Book 2)

HarperCollins, 2005. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+Customer Service! Summary: Foreword by Raph Koster. Introduction. I. EXECUTIVE CONSIDERATIONS. 1. The Market. Do We Enter the Market? Basic Considerations. How...

Read Book »



The Web Collection Revealed, Premium Edition: Adobe Dreamweaver CS6, Flash CS6, and Photoshop CS6 (Stay Current with Adobe Creative Cloud)

Cengage Learning, 2012. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: You can now maximize and integrate the design and development power of Adobe Creative Suite 6 with WEB...

Read Book »



Star Flights Bedtime Spaceship: Journey Through Space While Drifting Off to Sleep

CreateSpace Independent Publishing Platform, 2013. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: "Star Flights Bedtime Spaceship" is a charming and fun story with the purpose to help children...

Read Book »



Maisy's Christmas Tree

Candlewick, 2014. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: The final scene of the gang caroling around the tree, complete with paper crowns from British Christmas crackers, is...

Read Book »



Children's Educational Book: Junior Leonardo Da Vinci: An Introduction to the Art, Science and Inventions of This Great Genius. Age 7 8 9 10 Year-Olds. [Us English] (Paperback)

Createspace, United States, 2013. Paperback. Book Condition: New. 254 x 178 mm. Language: English . Brand New Book ***** Print on Demand *****.ABOUT SMART READS for Kids . Love Art, Love Learning Welcome. Designed to...

Read Book »



Read Write Inc. Phonics: Pink Set 3 Storybook 2 Tab the Cat (Paperback)

Oxford University Press, United Kingdom, 2016. Paperback. Book Condition: New. Tim Archbold (illustrator). 155 x 148 mm. Language: N/A. Brand New Book. These engaging Storybooks provide structured practice for children learning to read the Read

Save Document »



Read Write Inc. Phonics: Green Set 1 Storybook 9 Pip s Pizza (Paperback)

Oxford University Press, United Kingdom, 2016. Paperback. Book Condition: New. Tim Archbold (illustrator). 163 x 148 mm. Language: N/A. Brand New Book. These engaging Storybooks provide structured practice for children learning to read the Read

Save Document »



Read Write Inc. Phonics: Purple Set 2 Non-Fiction 1 Hens (Paperback)

Oxford University Press, United Kingdom, 2016. Paperback. Book Condition: New. 200 x 172 mm. Language: N/A. Brand New Book. These decodable non-fiction books provide structured practice for children learning to read. Each set of books

Save Document »



Read Write Inc. Phonics: Green Set 1 Non-Fiction 3 Let s Go! (Paperback)

Oxford University Press, United Kingdom, 2016. Paperback. Book Condition: New. 215 x 88 mm. Language: N/A. Brand New Book. These decodable non-fiction books provide structured practice for children learning to read. Each set of books

Save Document »



Read Write Inc. Phonics: Green Set 1 Storybook 4 the Spell (Paperback)

Oxford University Press, United Kingdom, 2016. Paperback. Book Condition: New. Tim Archbold (illustrator). 207 x 152 mm. Language: N/A. Brand New Book. These engaging Storybooks provide structured practice for children learning to read the Read

Save Document »