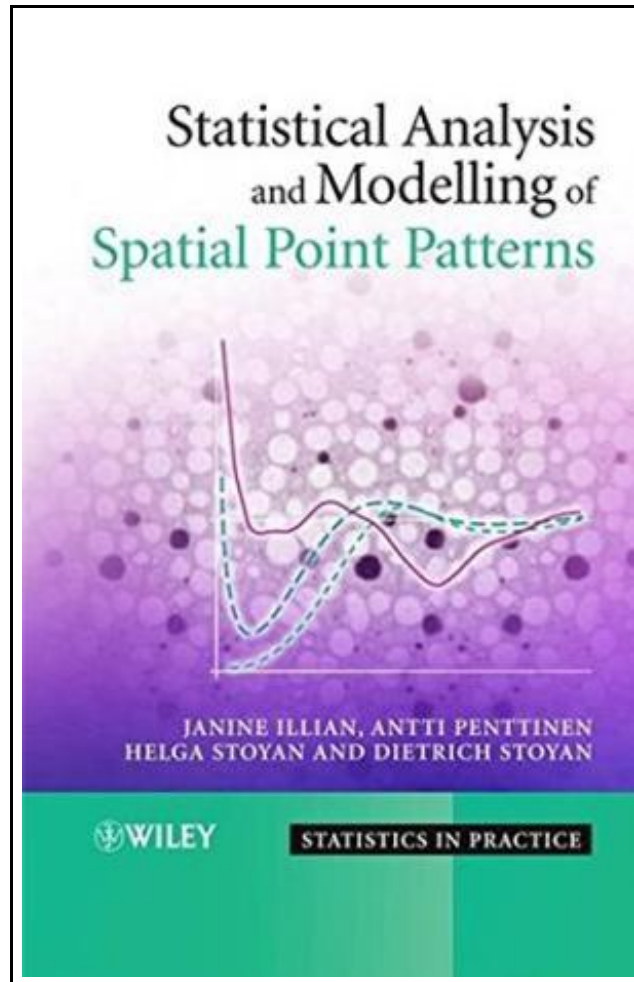


Statistical Analysis and Modelling of Spatial Point Patterns



Filesize: 6.89 MB

Reviews

A must buy book if you need to adding benefit. We have study and so i am sure that i am going to likely to study once again again in the foreseeable future. I realized this book from my i and dad encouraged this ebook to discover.

(Duane Fadel)

STATISTICAL ANALYSIS AND MODELLING OF SPATIAL POINT PATTERNS

DOWNLOAD



To save **Statistical Analysis and Modelling of Spatial Point Patterns** PDF, please refer to the button listed below and save the ebook or gain access to additional information which might be related to STATISTICAL ANALYSIS AND MODELLING OF SPATIAL POINT PATTERNS book.

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](#)



[Download ePub Statistical Analysis and Modelling of Spatial Point Patterns](#)

See Also



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

Access the web link listed below to download "Grandpa Spanielson's Chicken Pox Stories: Story #1: The Octopus (I Can Read Book 2)" document.

[Download Document »](#)



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

Access the web link listed below to download "The Web Collection Revealed, Premium Edition: Adobe Dreamweaver CS6, Flash CS6, and Photoshop CS6 (Stay Current with Adobe Creative Cloud)" document.

[Download Document »](#)



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

Access the web link listed below to download "Star Flights Bedtime Spaceship: Journey Through Space While Drifting Off to Sleep" document.

[Download Document »](#)



[PDF] Maisy's Christmas Tree

Access the web link listed below to download "Maisy's Christmas Tree" document.

[Download Document »](#)



[PDF] 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)

Access the web link listed below to download "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)" document.

[Download Document »](#)



[PDF] 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. [British English] (Paperback)

Access the web link listed below to download "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. [British English] (Paperback)" document.

[Download Document »](#)



[PDF] Read Write Inc. Phonics: Green Set 1 Storybook 9 Pip s Pizza (Paperback)
Access the hyperlink beneath to download "Read Write Inc. Phonics: Green Set 1 Storybook 9 Pip s Pizza (Paperback)" PDF file.
[Save eBook »](#)



[PDF] Read Write Inc. Phonics: Pink Set 3 Storybook 2 Tab the Cat (Paperback)
Access the hyperlink beneath to download "Read Write Inc. Phonics: Pink Set 3 Storybook 2 Tab the Cat (Paperback)" PDF file.
[Save eBook »](#)



[PDF] DK Readers Day at Greenhill Farm Level 1 Beginning to Read
Access the hyperlink beneath to download "DK Readers Day at Greenhill Farm Level 1 Beginning to Read" PDF file.
[Save eBook »](#)



[PDF] Read Write Inc. Phonics: Green Set 1 Storybook 8 the Web (Paperback)
Access the hyperlink beneath to download "Read Write Inc. Phonics: Green Set 1 Storybook 8 the Web (Paperback)" PDF file.
[Save eBook »](#)



[PDF] Read Write Inc. Phonics: Purple Set 2 Non-Fiction 1 Hens (Paperback)
Access the hyperlink beneath to download "Read Write Inc. Phonics: Purple Set 2 Non-Fiction 1 Hens (Paperback)" PDF file.
[Save eBook »](#)



[PDF] Read Write Inc. Phonics: Purple Set 2 Storybook 1 Ken s Cap (Paperback)
Access the hyperlink beneath to download "Read Write Inc. Phonics: Purple Set 2 Storybook 1 Ken s Cap (Paperback)" PDF file.
[Save eBook »](#)