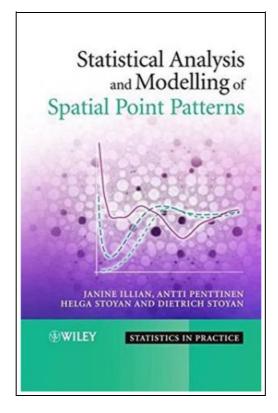
Statistical Analysis and Modelling of Spatial Point Patterns



Filesize: 5.75 MB

Reviews

This published book is wonderful. It is really simplified but unexpected situations within the fifty percent of the ebook. Once you begin to read the book, it is extremely difficult to leave it before concluding.

(Dr. Janis Reilly)

STATISTICAL ANALYSIS AND MODELLING OF SPATIAL POINT PATTERNS



To read **Statistical Analysis and Modelling of Spatial Point Patterns** eBook, please refer to the link listed below and save the document or get access to other information which are have conjunction with STATISTICAL ANALYSIS AND MODELLING OF SPATIAL POINT PATTERNS ebook.

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

Relevant PDFs



[PDF] World of Reading: Minnie A Walk in the Park: Level Pre-1

Access the link under to get "World of Reading: Minnie A Walk in the Park: Level Pre-1" PDF document.

Download eBook »



[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]

Access the link under to get "Children's Educational Book: Junior Leonardo Da Vinci: An Introduction to the Art, Science and Inventions of This Great Genius. Age 78910 Year-Olds. [Us English]" PDF document.

Download eBook »



[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]

Access the link under to get "Children's Educational Book Junior Leonardo Da Vinci: An Introduction to the Art, Science and Inventions of This Great Genius Age 789 10 Year-Olds. [British English]" PDF document.

Download eBook »



[PDF] Fun to Learn Bible Lessons Preschool 20 Easy to Use Programs Vol 1 by Nancy Paulson 1993 Paperback

Access the link under to get "Fun to Learn Bible Lessons Preschool 20 Easy to Use Programs Vol 1 by Nancy Paulson 1993 Paperback" PDF document.

Download eBook »



[PDF] Homeschool Your Child for Free: More Than 1,400 Smart, Effective, and Practical Resources for Educating

Access the link under to get "Homeschool Your Child for Free: More Than 1,400 Smart, Effective, and Practical Resources for Educating Your Family at Home" PDF document.

Download eBook »



[PDF] ESL Stories for Preschool: Book 1

Access the link under to get "ESL Stories for Preschool: Book 1" PDF document.

Download eBook »



[PDF] Read Write Inc. Phonics: Purple Set 2 Non-Fiction 1 Hens

Click the web link below to download and read "Read Write Inc. Phonics: Purple Set 2 Non-Fiction 1 Hens" file.

Read PDF x



[PDF] Tales from Little Ness - Book One: Book 1

Click the web link below to download and read "Tales from Little Ness - Book One: Book 1" file.

Read PDF »



[PDF] Read Write Inc. Phonics: Orange Set 4 Storybook 1 Playday

 ${\it Click the web link below to download and read "Read Write Inc. Phonics: Orange Set 4 Storybook 1 Playday" file.}$

Read PDF »



[PDF] Read Write Inc. Phonics: Pink Set 3 Storybook 1 Scruffy Ted

Click the web link below to download and read "Read Write Inc. Phonics: Pink Set 3 Storybook 1 Scruffy Ted" file.

Read PDF »



[PDF] Read Write Inc. Phonics: Green Set 1 Storybook 7 Chips

Click the web link below to download and read "Read Write Inc. Phonics: Green Set 1 Storybook 7 Chips" file.

Read PDF:



[PDF] Read Write Inc. Phonics: Orange Set 4 Non-Fiction 1 Jam Tarts

 $Click the web \ link below \ to \ download \ and \ read \ "Read \ Write \ Inc. \ Phonics: Orange \ Set \ 4 \ Non-Fiction \ 1 \ Jam \ Tarts" \ file.$

Read PDF »