

Reading free Big data does size matter bloomsbury sigma (PDF)

Big Data Evolutionary Computation in Gene Regulatory Network Research Fundamentals of Internet of Things Cloud Computing Technologies for Green Enterprises Teaching Your Kids New Math, 6-8 For Dummies FCC Record A Joosr Guide to ... Big Data by Timandra Harkness Supercomputing Applied Univariate, Bivariate, and Multivariate Statistics Using Python z/OS V1.13 DFSMS Technical Update Advanced Computing and Systems for Security: Volume 13 Multimedia Modeling: Towards Information Superhighway c't Know-how 2024 Monitoring Plant and Animal Populations Reservoir Simulations Linux Device Drivers Sensor Signal and Information Processing II Advances in Questionnaire Design, Development, Evaluation and Testing Mathematical Geoenergy Intelligent Computing & Optimization Engineering Design Handbook Programming Pig ECRM2013-Proceedings of the 12th European Conference on Research Methods Parallel and Distributed Processing and Applications Changing European Visions of Disaster and Development Museums and Public Value Introduction to Population Ecology How Genes Influence Behavior 2e Converting Land from Rural to Urban Uses (Routledge Revivals) Size Economies in Local Government Services Econometric Methods with Applications in Business and Economics Leveraging Applications of Formal Methods, Verification and Validation. Specialized Techniques and Applications Proceedings Qualitative Methods Artificial Intelligence and Industrial Applications Experimental Designs Handbook of Business and Climate Change Modeling and Optimization of Parallel and Distributed Embedded Systems Statistics Slam Dunk Telektronikk

Big Data

2021

timandra harkness cuts through the hype to put data science into its real life context using a wide range of stories people and places to reveal what is essentially a human science demystifying big data telling us where it comes from and what it can do big data then asks the awkward questions what are the unspoken assumptions underlying its methods are we being bamboozled by mega data s size its speed and its shiny technology nobody needs a degree in computer science to follow harkness s exploration of what mega data can do for us and what it can t or shouldn t big data asks you to decide are you a data point or a human being provided by publisher

Evolutionary Computation in Gene Regulatory Network Research

2016-01-21

introducing a handbook for gene regulatory network research using evolutionary computation with applications for computer scientists computational and system biologists this book is a step by step guideline for research in gene regulatory networks grn using evolutionary computation ec the book is organized into four parts that deliver materials in a way equally attractive for a reader with training in computation or biology each of these sections authored by well known researchers and experienced practitioners provides the relevant materials for the interested readers the first part of this book contains an introductory background to the field the second part presents the ec approaches for analysis and reconstruction of grn from gene expression data the third part of this book covers the contemporary advancements in the automatic construction of gene regulatory and reaction networks and gives direction and guidelines for future research finally the last part of this book focuses on applications of grns with ec in other fields such as design engineering and robotics provides a reference for current and future research in gene regulatory networks grn using evolutionary computation ec covers sub domains of grn research using ec such as expression profile analysis reverse engineering grn evolution applications contains useful contents for courses in gene regulatory networks systems biology computational biology and synthetic biology delivers state of the art research in genetic algorithms genetic programming and swarm intelligence evolutionary computation in gene regulatory network research is a reference for researchers and professionals in computer science systems biology and bioinformatics as well as upper undergraduate graduate and postgraduate students hitoshi iba is a professor in the department of information and communication engineering graduate school of information science and technology at the university of tokyo toyko japan he is an associate editor of the ieee transactions on evolutionary computation and the journal of genetic programming and evolvable machines nasimul noman is a lecturer in the school of electrical engineering and computer science at the university of newcastle nsw australia from 2002 to 2012 he was a faculty member at the university of dhaka

bangladesh noman is an editor of the biomed research international journal his research interests include computational biology synthetic biology and bioinformatics

Fundamentals of Internet of Things

2022-11-11

fundamentals of internet of things fundamentals of internet of things for students and professionals teaches the principles of iot systems it employs a systematic approach to explain iot architecture models and their layers the textbook is arranged based on various layers of an architecture model for readers who are unfamiliar with the concept of data communication and networks the first chapter of this book covers the fundamentals of data communication and networks it can also be used as review material for those who are already familiar with the concept the book begins with many examples of iot use cases to show readers how iot can be applied to various iot verticals the concept of smart sensors is then described as well as their applications in the iot ecosystem because internet connectivity is an essential part of any iot system the book explores wired and wireless connectivity schemes including cellular iot in the 4g and 5g eras iot protocols analytics as well as iot security and privacy are important topics that are explained in this book with simple explanations the last chapter of this book is dedicated to iot solution development iot is one of the most rapidly evolving technologies today and there is no better guide to this rapidly expanding sector than fundamentals of internet of things iot for students and professionals features simple explanations of complex concepts more than 300 exercise problems and advanced exercise questions provided solutions for the exercise problems 10 practical iot projects

Cloud Computing Technologies for Green Enterprises

2017-09-13

emerging developments in cloud computing have created novel opportunities and applications for businesses these innovations not only have organizational benefits but can be advantageous for green enterprises as well cloud computing technologies for green enterprises is a pivotal reference source for the latest scholarly research on the advancements benefits and challenges of cloud computing for green enterprise endeavors highlighting pertinent topics such as resource allocation energy efficiency and mobile computing this book is a premier resource for academics researchers students professionals and managers interested in novel trends in cloud computing applications

Teaching Your Kids New Math, 6-8 For Dummies

2023-03-08

it s not too late to learn new math tricks and help kids learn them too teaching your kids new

math grades 6 8 for dummies teaches you the new standard way of teaching kids math it s all about thinking through how to solve problems and using strategies rather than just memorizing the procedures in this book parents guardians and tutors will learn how to use these methods and standards to effectively teach kids common core math for grades 6 8 teaching your kids new math grades 6 8 for dummies shows you how schools are teaching kids math these days and gives you tools to support kids through the homework and test prep process you ll love this book s clear explanations and examples organized by grade level with teaching your kids new math grades 6 8 for dummies you ll also get access to online tools including dozens of math worksheets for additional support learn how to teach 6th through 8th grade math according to the common core discover the new methods and formulas that are standard for math instruction get best teaching practices example problems and tips about common math pitfalls help your kids with math homework and enhance the homeschool journey this is the perfect dummies guide for anyone who needs guidance on how to teach kids math using new methods and concepts they re different from what we learned in school future math teachers will also love this user friendly guide to middle grade math

FCC Record

2007

this book constitutes the refereed proceedings of the 8th russian supercomputing days on supercomputing ruscdays 2022 which took place in moscow russia in september 2022 the 49 full papers and 1 short paper presented in this volume were carefully reviewed and selected from 94 submissions the papers are organized in the following topical sections supercomputer simulation hpc bigdata ai architectures technologies tools distributed and cloud computing

A Joosr Guide to ... Big Data by Timandra Harkness

2016

applied univariate bivariate and multivariate statistics using python a practical how to reference for anyone performing essential statistical analyses and data management tasks in python applied univariate bivariate and multivariate statistics using python delivers a comprehensive introduction to a wide range of statistical methods performed using python in a single one stop reference the book contains user friendly guidance and instructions on using python to run a variety of statistical procedures without getting bogged down in unnecessary theory throughout the author emphasizes a set of computational tools used in the discovery of empirical patterns as well as several popular statistical analyses and data management tasks that can be immediately applied most of the datasets used in the book are small enough to be easily entered into python manually though they can also be downloaded for free from datapsyc com only minimal knowledge of statistics is assumed making the book perfect for those seeking an easily accessible toolkit for statistical analysis with python applied univariate bivariate and multivariate statistics using python represents the fastest way to learn how to analyze data with

python readers will also benefit from the inclusion of a review of essential statistical principles including types of data measurement significance tests significance levels and type i and type ii errors an introduction to python exploring how to communicate with python a treatment of exploratory data analysis basic statistics and visual displays including frequencies and descriptives q q plots box and whisker plots and data management an introduction to topics such as anova manova and discriminant analysis regression principal components analysis factor analysis cluster analysis among others exploring the nature of what these techniques can vs cannot do on a methodological level perfect for undergraduate and graduate students in the social behavioral and natural sciences applied univariate bivariate and multivariate statistics using python will also earn a place in the libraries of researchers and data analysts seeking a quick go to resource for univariate bivariate and multivariate analysis in python

Supercomputing

2022-12-15

each release of ibm data facility storage management subsystem dfsms builds on the previous version the latest release ibm z os v1 13 dfsms provides enhancements in these areas for the z os platform in a system managed storage environment storage management data access device support program management distributed data access this ibm redbooks publication provides a summary of the functions and enhancements in z os v1 13 dfsms it provides information that you need to understand and evaluate the content of this dfsms release along with practical implementation hints and tips this book also includes enhancements that are available by enabling ptf's that have been integrated into z os dfsms v1 13 this book was written for storage professionals and system programmers who have experience with the components of dfsms it provides sufficient information so that you can start prioritizing the implementation of new functions and evaluating their applicability in your dfsms environment

Applied Univariate, Bivariate, and Multivariate Statistics Using Python

2021-07-14

this book features extended versions of selected papers that were presented and discussed at the 8th international doctoral symposium on applied computation and security systems acss 2021 held in kolkata india on april 9 10 2021 organized by the departments of computer science engineering and a k choudhury school of information technology at the university of calcutta the symposium's international partners were ca foscari university of venice italy and bialystok university of technology poland the topics covered include biometrics image processing pattern recognition algorithms cloud computing wireless sensor networks and security systems reflecting the various symposium sessions

z/OS V1.13 DFSMS Technical Update

2012-09-23

the process of integrating multiple senses and media into computer systems accelerated recently this has broadened the applications of multimedia from the traditional areas of information organization presentation and learning to the new fields of simulation and virtual reality applications that have benefited from the introduction of multimedia include training demonstration of products for sales or inventory education computer aided design and engineering medicine weather and entertainment this volume is devoted to the discussion of effective modeling of multimedia information and systems for a wide range of applications it is perhaps the only book that devotes entirely to this important but much neglected topic

Advanced Computing and Systems for Security: Volume 13

2021-11-03

the c t know how 2024 special issue offers in depth knowledge on it topics it examines long standing it myths for their accuracy such as whether changing passwords regularly actually enhances security the editorial team explains the workings of ai models and their potential beyond automated text and image generation ai image generating tools sometimes deliver unexpected results and eavesdropping cars may enhance road safety in the future the special issue also provides answers to unexpected questions such as how to decrypt a qr code mathematical methods that may not have been taught by your math teacher and how to crack an encryption that has challenged scientists for 300 years

Multimedia Modeling: Towards Information Superhighway

1995-11-10

monitoring plant and animal populations offers an overview of population monitoring issues that is accessible to the typical field biologist and land managers with a modest statistical background the text includes concrete guidelines for ecologists to follow to design a statistically defensible monitoring program user friendly practical guide written in a highly readable format the authors provide an interdisciplinary scope to address the current widespread interest in monitoring in many environmental fields including pure and applied ecology conservation biology and wildlife management emphasizes the role of monitoring in adaptive management defines important terminology and contrasts monitoring with other data collection activities covers the applicable principles of sampling and shows how to design a monitoring project provides a step by step overview of the monitoring process illustrated by flow charts and

references the authors also offer guidelines for analyzing and interpreting monitoring data illustrates the foundation of management objectives and describes their components types and development describes common field techniques for measuring important attributes of animal and plant populations reviews different methods for recording monitoring data in the field managing the data and communicating data to policy makers

c't Know-how 2024

2024-03-14

reservoir simulation machine learning and modeling helps the engineer step into the current and most popular advances in reservoir simulation learning from current experiments and speeding up potential collaboration opportunities in research and technology this reference explains common terminology concepts and equations through multiple figures and rigorous derivations better preparing the engineer for the next step forward in a modeling project and avoid repeating existing progress well designed exercises case studies and numerical examples give the engineer a faster start on advancing their own cases both computational methods and engineering cases are explained bridging the opportunities between computational science and petroleum engineering this book delivers a critical reference for today s petroleum and reservoir engineer to optimize more complex developments understand commonly used and recent progress on definitions models and solution methods used in reservoir simulation world leading modeling and algorithms to study flow and transport behaviors in reservoirs as well as the application of machine learning gain practical knowledge with hand on trainings on modeling and simulation through well designed case studies and numerical examples

Monitoring Plant and Animal Populations

2001-02-08

provides information on writing a driver in linux covering such topics as character devices network interfaces driver debugging concurrency and interrupts

Reservoir Simulations

2020-06-18

in the current age of information explosion newly invented technological sensors and software are now tightly integrated with our everyday lives many sensor processing algorithms have incorporated some forms of computational intelligence as part of their core framework in problem solving these algorithms have the capacity to generalize and discover knowledge for themselves and learn new information whenever unseen data are captured the primary aim of sensor processing is to develop techniques to interpret understand and act on information contained in the data the interest of this book is in developing intelligent signal processing in

order to pave the way for smart sensors this involves mathematical advancement of nonlinear signal processing theory and its applications that extend far beyond traditional techniques it bridges the boundary between theory and application developing novel theoretically inspired methodologies targeting both longstanding and emergent signal processing applications the topic ranges from phishing detection to integration of terrestrial laser scanning and from fault diagnosis to bio inspiring filtering the book will appeal to established practitioners along with researchers and students in the emerging field of smart sensors processing

Linux Device Drivers

2005-02-07

a new and updated definitive resource for survey questionnaire testing and evaluation building on the success of the first questionnaire development evaluation and testing qdet conference in 2002 this book brings together leading papers from the second international conference on questionnaire design development evaluation and testing qdet2 held in 2016 the volume assesses the current state of the art and science of qdet examines the importance of methodological attention to the questionnaire in the present world of information collection and ponders how the qdet field can anticipate new trends and directions as information needs and data collection methods continue to evolve featuring contributions from international experts in survey methodology advances in questionnaire design development evaluation and testing includes latest insights on question characteristics usability testing web probing and other pretesting approaches as well as recent developments in the design and evaluation of digital and self administered surveys strategies for comparing and combining questionnaire evaluation methods approaches for cross cultural and cross national questionnaire development new data sources and methodological innovations during the last 15 years case studies and practical applications advances in questionnaire design development evaluation and testing serves as a forum to prepare researchers to meet the next generation of challenges making it an excellent resource for researchers and practitioners in government academia and the private sector

Sensor Signal and Information Processing II

2020-12-29

a rigorous mathematical problem solving framework for analyzing the earth s energy resources geoenery encompasses the range of energy technologies and sources that interact with the geological subsurface fossil fuel availability studies have historically lacked concise modeling tending instead toward heuristics and overly complex processes mathematical geoenery oil discovery depletion and renewal details leading edge research based on a mathematically oriented approach to geoenery analysis volume highlights include applies a formal mathematical framework to oil discovery depletion and analysis employs first order applied physics modeling decreasing computational resource requirements illustrates model interpolation and extrapolation to fill out missing or indeterminate data covers both stochastic

and deterministic mathematical processes for historical analysis and prediction emphasizes the importance of up to date data accessed through the companion website demonstrates the advantages of mathematical modeling over conventional heuristic and empirical approaches accurately analyzes the past and predicts the future of geoenery depletion and renewal using models derived from observed production data intuitive mathematical models and readily available algorithms make mathematical geoenery oil discovery depletion and renewal an insightful and invaluable resource for scientists and engineers using robust statistical and analytical tools applicable to oil discovery reservoir sizing dispersion production models reserve growth and more

Advances in Questionnaire Design, Development, Evaluation and Testing

2019-12-05

this book includes the scientific results of the fourth edition of the international conference on intelligent computing and optimization which took place at december 30 31 2021 via zoom the conference objective was to celebrate compassion and wisdom with researchers scholars experts and investigators in intelligent computing and optimization worldwide to share knowledge experience innovation marvelous opportunity for discourse and mutuality by novel research invention and creativity this proceedings encloses the original and innovative scientific fields of optimization and optimal control renewable energy and sustainability artificial intelligence and operational research economics and management smart cities and rural planning meta heuristics and big data analytics cyber security and blockchains iots and industry 4 0 mathematical modelling and simulation health care and medicine

Mathematical Geoenery

2019-01-07

for many organizations hadoop is the first step for dealing with massive amounts of data the next step processing and analyzing datasets with the apache pig scripting platform with pig you can batch process data without having to create a full fledged application making it easy to experiment with new datasets updated with use cases and programming examples this second edition is the ideal learning tool for new and experienced users alike you ll find comprehensive coverage on key features such as the pig latin scripting language and the grunt shell when you need to analyze terabytes of data this book shows you how to do it efficiently with pig delve into pig s data model including scalar and complex data types write pig latin scripts to sort group join project and filter your data use grunt to work with the hadoop distributed file system hdfs build complex data processing pipelines with pig s macros and modularity features embed pig latin in python for iterative processing and other advanced tasks use pig with apache tez to build high performance batch and interactive data processing applications create your own load and store functions to handle data formats and storage mechanisms

Intelligent Computing & Optimization

2021-12-30

complete proceedings of the 13th european conference on research methodology for business and management studies ecrm 2013 print version published by academic conferences and publishing international limited

Engineering Design Handbook

1963

this book constitutes the refereed proceedings of the 5th international symposium on parallel and distributed processing and applications ispa 2007 held in niagara falls canada in august 2007 the 83 revised full papers presented together with three keynote are cover algorithms and applications architectures and systems datamining and databases fault tolerance and security middleware and cooperative computing networks as well as software and languages

Programming Pig

2016-11-09

goethe s 1832 poem faust offers a vision of humanity realising freedom and prosperity through transcending natural adversity changing european visions of disaster and development returns to faust as a way of exploring the rise and fall of european humanist aspirations to build free and prosperous national political communities protected from natural disasters faust stories emerged in early modern europe linked to the shaking of the traditional religious and political order and the pursuit of new areas of human knowledge and activity which led to a shift from viewing disasters as acts of god to acts of nature faust s dam building and land reclamation project in goethe s poem was inspired by dutch hydro engineering and in turn inspired others faustian dreams of an engineered future were pursued by the american yugoslav inventor nikola tesla and the country of his birth towards establishing its national independence and escaping the fate of being a borderland faust remains a compelling reference point to explore european visions of disaster and development if faust captured the european spirit of earlier centuries what is today s outlook ambitious faustian development visions to eradicate natural disasters have been replaced by anti faustian risk cosmopolitanism sceptical towards human activity in ways counter to building collective protection from disaster tesla s country of birth fears returning to being an insecure borderland of europe this powerful and timely book calls for a rekindling of european humanism and faust s vision of free people standing on free land

ECRM2013-Proceedings of the 12th European Conference

on Research Methods

2013-04-07

public value speaks to our time to the role that museums can play in creating civil societies to the challenges involved in using limited assets strategically to the demand for results that make a difference and to the imperative that we build the kind of engagement that sustains our futures this book assists museum leaders to implement a public value approach in their management planning programming and relationship building the benefits are long term public engagement and support which can be used to demonstrate that valuable returns result from public investment in museums a range of authors from around the world unpack the concept of public value and examine its implications for museums they situate public value within current management theory and practice offer tools for implementation highlight examples of successful practice and examine the evidence of public value that governments seek to inform policy and funding decisions the book will be required reading for senior professionals in museums as well as museum and heritage studies students

Parallel and Distributed Processing and Applications

2007-08-22

introduction to population ecology 2nd edition is a comprehensive textbook covering all aspects of population ecology it uses a wide variety of field and laboratory examples botanical to zoological from the tropics to the tundra to illustrate the fundamental laws of population ecology controversies in population ecology are brought fully up to date in this edition with many brand new and revised examples and data each chapter provides an overview of how population theory has developed followed by descriptions of laboratory and field studies that have been inspired by the theory topics explored include single species population growth and self limitation life histories metapopulations and a wide range of interspecific interactions including competition mutualism parasite host predator prey and plant herbivore an additional final chapter new for the second edition considers multi trophic and other complex interactions among species throughout the book the mathematics involved is explained with a step by step approach and graphs and other visual aids are used to present a clear illustration of how the models work such features make this an accessible introduction to population ecology essential reading for undergraduate and graduate students taking courses in population ecology applied ecology conservation ecology and conservation biology including those with little mathematical experience

Changing European Visions of Disaster and Development

2020-09-02

how genes influence behavior takes a personal and lively approach to the study of behavioral

genetics providing an up to date and accessible introduction to a variety of approaches and their application to a wide range of disorders and modeling a critical approach to both methods and results this second edition includes additional biology content to help students understand the biological foundations of the field while maintaining an appropriate focus on the main issues of relevance to psychology students updates coverage of genomic technologies and their applications and covers a wider range of disorders including autism spectrum disorder eating disorders and intellectual disability a new final chapter guides students through a range of quantitative approaches using worked examples that relate directly to cases and examples used earlier in the text and addresses current issues arising from debates around reproducibility the online resources that accompany this book include for students multiple choice questions for students to check their threshold knowledge data sets for students to manipulate so that they can apply what they have learned for lecturers figures and tables from the book ready to download

Museums and Public Value

2016-04-22

this title aims to use social science research to contribute towards solving policy problems raised by the rural to urban land conversion process and by high land prices in particular ultimately this book aims to develop the information useful to public decisions on zoning taxation public investments transport systems new towns and so on as they might affect the cost and quality of the conversion process this book will be of interest to students of environmental studies

Introduction to Population Ecology

2015-05-26

nowadays applied work in business and economics requires a solid understanding of econometric methods to support decision making combining a solid exposition of econometric methods with an application oriented approach this rigorous textbook provides students with a working understanding and hands on experience of current econometrics taking a learning by doing approach it covers basic econometric methods statistics simple and multiple regression nonlinear regression maximum likelihood and generalized method of moments and addresses the creative process of model building with due attention to diagnostic testing and model improvement its last part is devoted to two major application areas the econometrics of choice data logit and probit multinomial and ordered choice truncated and censored data and duration data and the econometrics of time series data univariate time series trends volatility vector autoregressions and a brief discussion of sur models panel data and simultaneous equations real world text examples and practical exercise questions stimulate active learning and show how econometrics can solve practical questions in modern business and economic management focuses on the core of econometrics regression and covers two major advanced topics choice data with applications in marketing and micro economics and time series data with applications

in finance and macro economics learning support features include concise manageable sections of text frequent cross references to related and background material summaries computational schemes keyword lists suggested further reading exercise sets and online data sets and solutions derivations and theory exercises are clearly marked for students in advanced courses this textbook is perfect for advanced undergraduate students new graduate students and applied researchers in econometrics business and economics and for researchers in other fields that draw on modern applied econometrics

How Genes Influence Behavior 2e

2020-01-23

the two volume set Incs 8802 and Incs 8803 constitutes the refereed proceedings of the 6th international symposium on leveraging applications of formal methods verification and validation isola 2014 held in imperial corfu greece in october 2014 the total of 67 full papers was carefully reviewed and selected for inclusion in the proceedings featuring a track introduction to each section the papers are organized in topical sections named evolving critical systems rigorous engineering of autonomic ensembles automata learning formal methods and analysis in software product line engineering model based code generators and compilers engineering virtualized systems statistical model checking risk based testing medical cyber physical systems scientific workflows evaluation and reproducibility of program analysis processes and data integration in the networked healthcare semantic heterogeneity in the formal development of complex systems in addition part i contains a tutorial on automata learning in practice as well as the preliminary manifesto to the Incs transactions on the foundations for mastering change with several position papers part ii contains information on the industrial track and the doctoral symposium and poster session

Converting Land from Rural to Urban Uses (Routledge Revivals)

2016-01-29

this book aims to provide researchers who are new or relatively new to qualitative research with the methodological tools and conceptual maps they need to navigate their way through the process it describes the uncertainties surrounding qualitative research and the many dilemmas faced by researchers it illustrates these by drawing on the experiences of researchers with varying degrees of expertise in qualitative research it also provides readers with the necessary background knowledge and raises their awareness of the questions they will need to address to help them make informed decisions about how to deal with these uncertainties and dilemmas the contents of the book are organized in a way that reflects the three main objectives that the authors had in mind the first objective was to provide readers with the necessary background knowledge and an awareness of the questions they will need to address in order to make informed decisions about whether to conduct qualitative research and if they decide to follow a

qualitative path which particular qualitative approaches would be suited to their research goals the second objective was to equip readers with the basic tools to carry out their analysis by providing detailed contextualized coverage of the practicalities of the qualitative methods approaches in addition the book includes accounts of an actual analysis of a specific data set in a step by step manner using the approaches the third objective was to provide the reader with guidance as to how to write up qualitative research in general and the ethical considerations of qualitative inquiry in the concluding chapter

Size Economies in Local Government Services

1980

amid the dynamic growth of artificial intelligence this book presents a collection of findings and advancements from the second edition of the a2ia artificial intelligence and industrial applications conference the conference hosted by ensam meknès at moulay ismail university morocco fosters knowledge exchange in ai focusing primarily on its industrial applications covering a wide range of topics the book highlights the adaptable nature of ai and its increasing impact on industrial sectors it brings together contributions from an international cohort of researchers discussing themes such as intelligent manufacturing and maintenance intelligent supply chain management various modes of learning including supervised unsupervised reinforcement semi supervised and graph based as well as neural networks deep learning planning and optimization a defining feature of this edition is its extensive scope and emphasis on the practical applications of ai along with its foundational elements it facilitates an understanding of ai s current state and potential future direction showcasing recent developments that bridge the gap between theory and practice designed for a diverse readership this book is of interest to ai practitioners academics and enthusiasts as well as to those new to the field it provides an opportunity to explore ai s critical role in industrial applications and the practical insights it offers are likely to be beneficial for decision making within industrial settings

Econometric Methods with Applications in Business and Economics

2004-03-25

the fourth book in the sage quantitative research kit this resource covers the basics of designing and conducting basic experiments outlining the various types of experimental designs available to researchers while providing step by step guidance on how to conduct your own experiment as well as an in depth discussion of random controlled trials rcts this text highlights effective alternatives to this method and includes practical steps on how to successfully adopt them topics include the advantages of randomisation how to avoid common design pitfalls that reduce the validity of experiments how to maintain controlled settings and pilot tests how to conduct quasi experiments when rcts are not an option practical and succinctly written this book will give

you the know how and confidence needed to succeed on your quantitative research journey

Leveraging Applications of Formal Methods, Verification and Validation. Specialized Techniques and Applications

2014-09-26

summarizing the current state of knowledge on the links between business and climate change this timely handbook analyzes how businesses contribute to and are affected by climate change looking closely at their centrality in developing and deploying solutions to address this problem contributions from a global collection of scholars and practitioners explore a broad range of key industries impacts and responses to climate change examining corporate strategy and leadership in the climate economy functional perspectives and corporate practice and climate finance

Proceedings

1967

this book introduces the state of the art in research in parallel and distributed embedded systems which have been enabled by developments in silicon technology micro electro mechanical systems mems wireless communications computer networking and digital electronics these systems have diverse applications in domains including military and defense medical automotive and unmanned autonomous vehicles the emphasis of the book is on the modeling and optimization of emerging parallel and distributed embedded systems in relation to the three key design metrics of performance power and dependability key features includes an embedded wireless sensor networks case study to help illustrate the modeling and optimization of distributed embedded systems provides an analysis of multi core many core based embedded systems to explain the modeling and optimization of parallel embedded systems features an application metrics estimation model markov modeling for fault tolerance and analysis and queueing theoretic modeling for performance evaluation discusses optimization approaches for distributed wireless sensor networks high performance and energy efficient techniques at the architecture middleware and software levels for parallel multicore based embedded systems and dynamic optimization methodologies highlights research challenges and future research directions the book is primarily aimed at researchers in embedded systems however it will also serve as an invaluable reference to senior undergraduate and graduate students with an interest in embedded systems research

Qualitative Methods

2022-05-16

learn statistics by analyzing professional basketball data in this action packed book you ll build

your skills in exploratory data analysis by digging into the fascinating world of nba games and player stats using the r language statistics slam dunk is an engaging how to guide for statistical analysis with r each chapter contains an end to end data science or statistics project delving into nba data and revealing real world sporting insights written by a former basketball player turned business intelligence and analytics leader you ll get practical experience tidying wrangling exploring testing modeling and otherwise analyzing data with the best and latest r packages and functions in statistics slam dunk you ll develop a toolbox of r programming skills including reading and writing data installing and loading packages transforming tidying and wrangling data applying best in class exploratory data analysis techniques creating compelling visualizations developing supervised and unsupervised machine learning algorithms executing hypothesis tests including t tests and chi square tests for independence computing expected values gini coefficients z scores and other measures if you re looking to switch to r from another language or trade base r for tidyverse functions this book is the perfect training coach much more than a beginner s guide it teaches statistics and data science methods that have tons of use cases and just like in the real world you ll get no clean pre packaged data sets in statistics slam dunk you ll take on the challenge of wrangling messy data to drill on the skills that will make you the star player on any data team foreword by thomas w miller about the technology statistics slam dunk is a data science manual with a difference each chapter is a complete self contained statistics or data science project for you to work through from importing data to wrangling it testing it visualizing it and modeling it throughout the book you ll work exclusively with nba data sets and the r language applying best in class statistics techniques to reveal fun and fascinating truths about the nba about the book is losing basketball games on purpose a rational strategy which hustle statistics have an impact on wins and losses does spending more on player salaries translate into a winning record you ll answer all these questions and more plus r s visualization capabilities shine through in the book s 300 plots and charts including pareto charts sankey diagrams cleveland dot plots and dendrograms about the reader for readers who know basic statistics no advanced knowledge of r or basketball required about the author gary sutton is a former basketball player who has built and led high performing business intelligence and analytics organizations across multiple verticals table of contents 1 getting started 2 exploring data 3 segmentation analysis 4 constrained optimization 5 regression models 6 more wrangling and visualizing data 7 t testing and effect size testing 8 optimal stopping 9 chi square testing and more effect size testing 10 doing more with ggplot2 11 k means clustering 12 computing and plotting inequality 13 more with gini coefficients and lorenz curves 14 intermediate and advanced modeling 15 the lindy effect 16 randomness versus causality 17 collective intelligence

Artificial Intelligence and Industrial Applications

2023-10-16

Experimental Designs

2022-03-01

Handbook of Business and Climate Change

2023-01-17

Modeling and Optimization of Parallel and Distributed Embedded Systems

2016-02-08

Statistics Slam Dunk

2024-02-20

Telektronikk

1995

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