

Bootstrapping Design

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[Bootstrap Techniques for Signal Processing](#)
- Abdelhak M. Zoubir 2004-05-06

Publisher Description

Bootstrap - Jake Spurlock 2013-05-08

Discover how easy it is to design killer interfaces and responsive websites with the Bootstrap framework. This practical book gets you started building pages with Bootstrap's HTML/CSS-based tools and design templates right away. You'll also learn how to extend your app with interactive features, using its suite of jQuery plugins—often without writing a single line of code. Developed by Twitter and available free from GitHub, Bootstrap supports responsive design by dynamically adjusting your web page layout. With just a basic knowledge of HTML, CSS, and JavaScript, you can build apps that work equally well on desktop screens, smartphones, and tablets. This book shows you how. Become familiar with Bootstrap's file structure, grid systems, and container layouts Learn HTML elements for typography, code, tables, forms, buttons, images, and icons Design interfaces and other web elements, such as navigation, breadcrumbs, and custom modal windows Use jQuery plugins for features such as revolving slideshows, tabbable interfaces, and dropdown menus Modify everything from column count to typography colors with the LESS stylesheet language
Experimental Hydraulics: Methods,

Instrumentation, Data Processing and Management - Marian Muste 2017-07-28

This is the first volume of a two-volume guide to designing, conducting and interpreting laboratory and field experiments in a broad range of topics associated with hydraulic engineering. Specific guidance is provided on methods and instruments currently used in experimental hydraulics, with emphasis on new and emerging measurement technologies and methods of analysis. Additionally, this book offers a concise outline of essential background theory, underscoring the intrinsic connection between theory and experiments. This book is much needed, as experimental hydraulicians have had to refer to guidance scattered in scientific papers or specialized monographs on essential aspects of laboratory and fieldwork practice. The book is the result of the first substantial effort in the community of hydraulic engineering to describe in one place all the components of experimental hydraulics. Included is the work of a team of more than 45 professional experimentalists, who explore innovative approaches to the vast array of experiments of differing complexity encountered by today's hydraulic engineer, from laboratory to field, from simple but well-conceived to complex and well-instrumented. The style of this book is intentionally succinct, making frequent use of convenient summaries,

tables and examples to present information. All researchers, practitioners, and students conducting or evaluating experiments in hydraulics will find this book useful.

Advances on Mechanics, Design Engineering and Manufacturing - Benoit Eynard 2016-09-02

This book gathers papers presented at the International Joint Conference on Mechanics, Design Engineering and Advanced Manufacturing (JCM 2016), held on 14-16 September, 2016, in Catania, Italy. It reports on cutting-edge topics in product design and manufacturing, such as industrial methods for integrated product and process design; innovative design; and computer-aided design. Further topics covered include virtual simulation and reverse engineering; additive manufacturing; product manufacturing; engineering methods in medicine and education; representation techniques; and nautical, aeronautics and aerospace design and modeling. The book is divided into eight main sections, reflecting the focus and primary themes of the conference. The contributions presented here will not only provide researchers, engineers and experts in a range of industrial engineering subfields with extensive information to support their daily work; they are also intended to stimulate new research directions, advanced applications of the methods discussed, and future interdisciplinary collaborations.

Design and Analysis of Simulation Experiments - Jack P.C. Kleijnen 2015-07-01

This is a new edition of Kleijnen's advanced expository book on statistical methods for the Design and Analysis of Simulation Experiments (DASE). Altogether, this new edition has approximately 50% new material not in the original book. More specifically, the author has made significant changes to the book's organization, including placing the chapter on Screening Designs immediately after the chapters on Classic Designs, and reversing the order of the chapters on Simulation Optimization and Kriging Metamodels. The latter two chapters reflect how active the research

has been in these areas. The validation section has been moved into the chapter on Classic Assumptions versus Simulation Practice, and the chapter on Screening now has a section on selecting the number of replications in sequential bifurcation through Wald's sequential probability ratio test, as well as a section on sequential bifurcation for multiple types of simulation responses. Whereas all references in the original edition were placed at the end of the book, in this edition references are placed at the end of each chapter. From Reviews of the First Edition: "Jack Kleijnen has once again produced a cutting-edge approach to the design and analysis of simulation experiments." (William E. BILES, JASA, June 2009, Vol. 104, No. 486)

Eco-Stats: Data Analysis in Ecology - David I Warton 2022-08-10

This book introduces ecologists to the wonderful world of modern tools for data analysis, especially multivariate analysis. For biologists with relatively little prior knowledge of statistics, it introduces a modern, advanced approach to data analysis in an intuitive and accessible way. The book begins by reviewing some core principles in statistics, and relates common methods to the linear model, a general framework for modeling data where the response is continuous. This is then extended to discrete data using generalized linear models, to designs with multiple sampling levels via mixed models, and to situations where there are multiple response variables via model-based approaches to multivariate analysis. Along the way there is an introduction to: important principles in model selection; adaptations of the model to handle non-linearity and cyclical variables; dependence due to structured correlation in time, space or phylogeny; and design-based techniques for inference that can relax some of the modelling assumptions. It concludes with a range of advanced topics in model-based multivariate analysis relevant to the modern ecologist, including fourth corner, latent variable and copula models.

Examples span a variety of applications including environmental monitoring, species distribution modeling, global-scale surveys of plant traits, and small field experiments on biological controls. Math Boxes throughout the book explain some of the core ideas mathematically for readers who want to delve deeper, and R code is used throughout. Accompanying code, data, and solutions to exercises can be found in the *ecostats* R package on CRAN.

Bootstrapping Democracy - Gianpaolo Baiocchi 2011-06-01

Despite increasing interest in how involvement in local government can improve governance and lead to civic renewal, questions remain about participation's real impact. This book investigates participatory budgeting—a mainstay now of World Bank, UNDP, and USAID development programs—to ask whether its reforms truly make a difference in deepening democracy and empowering civil society. Looking closely at eight cities in Brazil, comparing those that carried out participatory budgeting reforms between 1997 and 2000 with those that did not, the authors examine whether and how institutional reforms take effect.

Bootstrapping Democracy highlights the importance of local-level innovations and democratic advances, charting a middle path between those who theorize that globalization hollows out democracy and those who celebrate globalization as a means of fostering democratic values. Uncovering the state's role in creating an "associational environment," it reveals the contradictory ways institutional reforms shape the democratic capabilities of civil society and how outcomes are conditioned by relations between the state and civil society.

Information Quality - Ron S. Kenett 2016-10-13

Provides an important framework for data analysts in assessing the quality of data and its potential to provide meaningful insights through analysis. Analytics and statistical analysis have become pervasive topics, mainly due to the growing availability of

data and analytic tools. Technology, however, fails to deliver insights with added value if the quality of the information it generates is not assured. Information Quality (InfoQ) is a tool developed by the authors to assess the potential of a dataset to achieve a goal of interest, using data analysis. Whether the information quality of a dataset is sufficient is of practical importance at many stages of the data analytics journey, from the pre-data collection stage to the post-data collection and post-analysis stages. It is also critical to various stakeholders: data collection agencies, analysts, data scientists, and management. This book: Explains how to integrate the notions of goal, data, analysis and utility that are the main building blocks of data analysis within any domain.

Presents a framework for integrating domain knowledge with data analysis.

Provides a combination of both methodological and practical aspects of data analysis. Discusses issues surrounding the implementation and integration of InfoQ in both academic programmes and business / industrial projects. Showcases numerous case studies in a variety of application areas such as education, healthcare, official statistics, risk management and marketing surveys. Presents a review of software tools from the InfoQ perspective along with example datasets on an accompanying website. This book will be beneficial for researchers in academia and in industry, analysts, consultants, and agencies that collect and analyse data as well as undergraduate and postgraduate courses involving data analysis.

Quantile Regression - Marilena Furno 2018-09-24

Contains an overview of several technical topics of Quantile Regression. Volume two of Quantile Regression offers an important guide for applied researchers that draws on the same example-based approach adopted for the first volume. The text explores topics including robustness, expectiles, m-quantile, decomposition, time series, elemental sets and linear programming. Graphical representations are widely used

to visually introduce several issues, and to illustrate each method. All the topics are treated theoretically and using real data examples. Designed as a practical resource, the book is thorough without getting too technical about the statistical background. The authors cover a wide range of QR models useful in several fields. The software commands in R and Stata are available in the appendixes and featured on the accompanying website. The text: Provides an overview of several technical topics such as robustness of quantile regressions, bootstrap and elemental sets, treatment effect estimators Compares quantile regression with alternative estimators like expectiles, M-estimators and M-quantiles Offers a general introduction to linear programming focusing on the simplex method as solving method for the quantile regression problem Considers time-series issues like non-stationarity, spurious regressions, cointegration, conditional heteroskedasticity via quantile regression Offers an analysis that is both theoretically and practical Presents real data examples and graphical representations to explain the technical issues Written for researchers and students in the fields of statistics, economics, econometrics, social and environmental science, this text offers guide to the theory and application of quantile regression models.

CMOS Logic Circuit Design - John P. Uyemura 1999-02-28

This is an up-to-date treatment of the analysis and design of CMOS integrated digital logic circuits. The self-contained book covers all of the important digital circuit design styles found in modern CMOS chips, emphasizing solving design problems using the various logic styles available in CMOS.

Sample Surveys: Design, Methods and Applications - 2009-08-31

This new handbook contains the most comprehensive account of sample surveys theory and practice to date. It is a second volume on sample surveys, with the goal of updating and extending the sampling volume published as volume 6 of the

Handbook of Statistics in 1988. The present handbook is divided into two volumes (29A and 29B), with a total of 41 chapters, covering current developments in almost every aspect of sample surveys, with references to important contributions and available software. It can serve as a self contained guide to researchers and practitioners, with appropriate balance between theory and real life applications. Each of the two volumes is divided into three parts, with each part preceded by an introduction, summarizing the main developments in the areas covered in that part. Volume 29A deals with methods of sample selection and data processing, with the later including editing and imputation, handling of outliers and measurement errors, and methods of disclosure control. The volume contains also a large variety of applications in specialized areas such as household and business surveys, marketing research, opinion polls and censuses. Volume 29B is concerned with inference, distinguishing between design-based and model-based methods and focusing on specific problems such as small area estimation, analysis of longitudinal data, categorical data analysis and inference on distribution functions. The volume contains also chapters dealing with case-control studies, asymptotic properties of estimators and decision theoretic aspects.

Comprehensive account of recent developments in sample survey theory and practice Discusses a wide variety of diverse applications Comprehensive bibliography
Engineering Biostatistics - Brani Vidakovic 2017-10-17

Provides a one-stop resource for engineers learning biostatistics using MATLAB® and WinBUGS Through its scope and depth of coverage, this book addresses the needs of the vibrant and rapidly growing bio-oriented engineering fields while implementing software packages that are familiar to engineers. The book is heavily oriented to computation and hands-on approaches so readers understand each step of the programming. Another dimension of this book is in parallel

coverage of both Bayesian and frequentist approaches to statistical inference. It avoids taking sides on the classical vs. Bayesian paradigms, and many examples in this book are solved using both methods. The results are then compared and commented upon. Readers have the choice of MATLAB® for classical data analysis and WinBUGS/OpenBUGS for Bayesian data analysis. Every chapter starts with a box highlighting what is covered in that chapter and ends with exercises, a list of software scripts, datasets, and references.

Engineering Biostatistics: An Introduction using MATLAB® and WinBUGS also includes: parallel coverage of classical and Bayesian approaches, where appropriate substantial coverage of Bayesian approaches to statistical inference material that has been classroom-tested in an introductory statistics course in bioengineering over several years exercises at the end of each chapter and an accompanying website with full solutions and hints to some exercises, as well as additional materials and examples Engineering Biostatistics: An Introduction using MATLAB® and WinBUGS can serve as a textbook for introductory-to-intermediate applied statistics courses, as well as a useful reference for engineers interested in biostatistical approaches.

Digital Mammography - Elizabeth Krupinski 2008-07-01

This volume (5116) of Springer's Lecture Notes in Computer Science contains the proceedings of the 9 International Workshop on Digital Mammography (IWDM) which was held July 20 - 23, 2008 in Tucson, AZ in the USA. The IWDM meetings traditionally bring together a diverse set of researchers (physicists, mathematicians, computer scientists, engineers), clinicians (radiologists, surgeons) and representatives of industry, who are jointly committed to developing technologies to support clinicians in the early detection and subsequent patient management of breast cancer. The IWDM conference series was initiated at a 1993 meeting of the SPIE Medical Imaging

Symposium in San Jose, CA, with subsequent meetings hosted every two years at sites around the world. Previous meetings were held in York, England; Chicago, IL USA; Nijmegen, Netherlands; Toronto, Canada; Bremen, Germany; Durham, NC USA and Manchester, UK. The 9 IWDM meeting was attended by a very international group of participants, and during the two and one-half days of scientific sessions there were 70 oral presentations, 34 posters and 3 keynote addresses. The three keynote speakers discussed some of the "hot" topics in breast imaging today. Karen Lindfors spoke on "Dedicated Breast CT: Initial Clinical Experiences." Elizabeth Rafferty asked the question is "Breast Tomosynthesis: Ready for Prime Time?" Finally, Martin Tornai discussed "3D Multi-Modality Molecular Breast Imaging.

Learning Bootstrap 4 - Matt Lambert 2016-08-26

Unearth the potential of Bootstrap 4 to create highly responsive and beautiful websites using modern web techniques About This Book This book shows how to take advantage of the all new features introduced in Bootstrap Learn responsive web design and discover how to build mobile-ready websites with ease Find out how to extend the capabilities of Bootstrap with a huge range of tools and plugins, including jQuery, Do more with JavaScript and learn how to create an enhanced user experience Who This Book Is For If you want to learn to build enterprise-level websites efficiently with Bootstrap, this book is for you. You must have a basic and fundamental understanding of HTML, CSS, and JavaScript; however, there is no need to have prior Bootstrap experience. What You Will Learn Fire up Bootstrap and set up the required build tools to get started See how and when to use Flexbox with the Bootstrap layouts Find out how to make your websites responsive, keeping in mind Mobile First design Work with content such as tables and figures Play around with the huge variety of components that Bootstrap offers Extend your build using plugins

developed from JavaScript Use Sass to customize your existing themes In Detail Bootstrap, the most popular front-end framework built to design elegant, powerful, and responsive interfaces for professional-level web pages has undergone a major overhaul. Bootstrap 4 introduces a wide range of new features that make front-end web design even simpler and exciting. In this gentle and comprehensive book, we'll teach you everything that you need to know to start building websites with Bootstrap 4 in a practical way. You'll learn about build tools such as Node, Grunt, and many others. You'll also discover the principles of mobile-first design in order to ensure your pages can fit any screen size and meet the responsive requirements. Learn to play with Bootstrap's grid system and base CSS to ensure your designs are robust and that your development process is speedy and efficient. Then, you'll find out how you can extend your current build with some cool JavaScript Plugins, and throw in some Sass to spice things up and customize your themes. This book will make sure you're geared up and ready to build amazingly beautiful and responsive websites in a jiffy. Style and approach With the help of several real-world examples and code, this book will teach you to build a full-featured responsive website in Bootstrap, which is mobile-ready.

Semantic Web - Gang Wu 2010-01-01
Having lived with the World Wide Web for twenty years, surfing the Web becomes a way of our life that cannot be separated. From latest news, photo sharing, social activities, to research collaborations and even commercial activities and government affairs, almost all kinds of information are available and processible via the Web. While people are appreciating the great invention, the father of the Web, Sir Tim Berners-Lee, has started the plan for the next generation of the Web, the Semantic Web. Unlike the Web that was originally designed for reading, the Semantic Web aims at a more intelligent Web severing machines as well as people. The idea behind it is simple: machines can

automatically process or "understand" the information, if explicit meanings are given to it. In this way, it facilitates sharing and reuse of data across applications, enterprises, and communities. According to the organisation of the book, the intended readers may come from two groups, i.e. those whose interests include Semantic Web and want to catch on the state-of-the-art research progress in this field; and those who urgently need or just intend to seek help from the Semantic Web. In this sense, readers are not limited to the computer science. Everyone is welcome to find their possible intersection of the Semantic Web.

Introduction to Linear Regression Analysis - Douglas C. Montgomery 2012-04-09
Praise for the Fourth Edition "As with previous editions, the authors have produced a leading textbook on regression." —Journal of the American Statistical Association
A comprehensive and up-to-date introduction to the fundamentals of regression analysis *Introduction to Linear Regression Analysis, Fifth Edition* continues to present both the conventional and less common uses of linear regression in today's cutting-edge scientific research. The authors blend both theory and application to equip readers with an understanding of the basic principles needed to apply regression model-building techniques in various fields of study, including engineering, management, and the health sciences. Following a general introduction to regression modeling, including typical applications, a host of technical tools are outlined such as basic inference procedures, introductory aspects of model adequacy checking, and polynomial regression models and their variations. The book then discusses how transformations and weighted least squares can be used to resolve problems of model inadequacy and also how to deal with influential observations. The Fifth Edition features numerous newly added topics, including: A chapter on regression analysis of time series data that presents the Durbin-Watson test and other techniques for detecting

autocorrelation as well as parameter estimation in time series regression models Regression models with random effects in addition to a discussion on subsampling and the importance of the mixed model Tests on individual regression coefficients and subsets of coefficients Examples of current uses of simple linear regression models and the use of multiple regression models for understanding patient satisfaction data. In addition to Minitab, SAS, and S-PLUS, the authors have incorporated JMP and the freely available R software to illustrate the discussed techniques and procedures in this new edition. Numerous exercises have been added throughout, allowing readers to test their understanding of the material.

Introduction to Linear Regression Analysis, Fifth Edition is an excellent book for statistics and engineering courses on regression at the upper-undergraduate and graduate levels. The book also serves as a valuable, robust resource for professionals in the fields of engineering, life and biological sciences, and the social sciences.
Design and Development of Medical Electronic Instrumentation - David Prutchi 2005-01-28

Design and Development of Medical Electronic Instrumentation fills a gap in the existing medical electronic devices literature by providing background and examples of how medical instrumentation is actually designed and tested. The book includes practical examples and projects, including working schematics, ranging in difficulty from simple biopotential amplifiers to computer-controlled defibrillators. Covering every stage of the development process, the book provides complete coverage of the practical aspects of amplifying, processing, simulating and evoking biopotentials. In addition, two chapters address the issue of safety in the development of electronic medical devices, and providing valuable insider advice.

Searching for Molecular Solutions - Ian S. Dunn 2010-01-05

A comprehensive look at empirical approaches to molecular discovery, their relationships with rational design, and the

future of both Empirical methods of discovery, along with serendipitous and rational design approaches, have played an important role in human history. Searching for Molecular Solutions compares empirical discovery strategies for biologically useful molecules with serendipitous discovery and rational design, while also considering the strengths and limitations of empirical pathways to molecular discovery. Logically arranged, this text examines the different modes of molecular discovery, emphasizing the historical and ongoing importance of empirical strategies. Along with a broad overview of the subject matter, Searching for Molecular Solutions explores: The differing modes of molecular discovery Biological precedents for evolutionary approaches Directed evolutionary methods and related areas Enzyme evolution and design Functional nucleic acid discovery Antibodies and other recognition molecules General aspects of molecular recognition Small molecule discovery approaches Rational molecular design The interplay between empirical and rational strategies and their ongoing roles in the future of molecular discovery Searching for Molecular Solutions covers several major areas of modern research, development, and practical applications of molecular sciences. This text offers empirical-rational principles of broad relevance to scientists, professionals, and students interested in general aspects of molecular discovery, as well as the thought processes behind experimental approaches. Note: CD-ROM/DVD and other supplementary materials are not included as part of eBook file.

Reliability of Confidence Intervals Calculated by Bootstrap and Classical Methods Using the FIA 1-Ha Plot Design - Hans T. Schreuder 2000

When Does Bootstrap Work? - Enno Mammen 2012-12-06

Randomization, Bootstrap and Monte Carlo Methods in Biology, Second Edition - Bryan F.J. Manly 1997-03-01

Randomization, Bootstrap and Monte Carlo Methods in Biology, Second Edition features new material on bootstrap confidence intervals and significance testing, and incorporates new developments on the treatments of randomization methods for regression and analysis variation, including descriptions of applications of these methods in spreadsheet programs such as Lotus and other commercial packages. This second edition illustrates the value of modern computer intensive methods in the solution of a wide range of problems, with particular emphasis on biological applications. Examples given in the text include the controversial topic of whether there is periodicity between co-occurrences of species on islands.

The Reviewer's Guide to Quantitative Methods in the Social Sciences -

Gregory R. Hancock 2010-04-26
Designed for reviewers of research manuscripts and proposals in the social and behavioral sciences, and beyond, this title includes chapters that address traditional and emerging quantitative methods of data analysis.

Research Methods in Forensic Psychology - Barry Rosenfeld 2011-04-12
The only professional resource to focus exclusively on research methods in forensic psychology. With specific advice on topics of particular importance to forensic specialists, *Research Methods in Forensic Psychology* presents state-of-the-discipline summaries of the issues that relate to psychology and law research. Edited by renowned experts in the field, this resource features contributions by leading scholars in forensic psychology and law, with discussion of relevant topics such as: Meta-analysis Jury decision making Internet-based data collection Legal research techniques for the social scientist Offender treatment Competence to stand trial Criminal profiling False confessions and interrogations Trial-related psycho-legal issues Accuracy of eyewitnesses and children Violence risk assessment This comprehensive guide is designed for a wide

range of scholars and legal professionals, presenting a succinct overview of the field of psychology and law as viewed by some of the world's foremost experts.

The Palgrave Handbook of Operations Research - Saïd Salhi 2022-07-07

Operations Research (OR) is a fast-evolving field, which is having a significant impact on its neighbouring disciplines of Business Analytics and Data Science, and on contemporary business and management practices. This handbook provides a comprehensive and cutting edge collection of studies in the area. Views differ on what should be included within the scope of OR. The editors of this volume have taken the view that an inclusive stance is the most helpful, both for theory and practice. Real-world problems often require consideration from both 'softer' and 'harder' perspectives and need consideration of both predictive and prescriptive problems. In accordance with this inclusive approach to OR, the book is divided into six parts, covering Discrete Optimization, Continuous Optimization, Heuristic Search Optimization, Forecasting, Simulation and Prediction, Problem Structuring and Behavioural OR, and finally some recent OR Applications. This wide-ranging handbook includes a culturally diverse collection of authors, with different perspectives and backgrounds around Operations Research. It will be of tremendous value to researchers, students and practitioners in the field of OR.

Bootstrapping and Related Techniques - Karl-Heinz Jöckel 2012-12-06

This book contains 30 selected, refereed papers from an international conference on bootstrapping and related techniques held in Trier 1990. The purpose of the book is to inform about recent research in the area of bootstrap, jack-knife and Monte Carlo Tests. Addressing the novice and the expert it covers as well theoretical as practical aspects of these statistical techniques. Potential users in different disciplines as biometry, epidemiology, computer science, economics and sociology but also theoretical researchers should consult the book to be informed on the state

of the art in this area.

Using the Bootstrap Algorithm for Changing the Control Game - Petter Ogland 2018-03-22

'Using the Bootstrap Algorithm for Changing the Control Game' is clearly written and points are supported by real life case studies. Dr. Ogland demonstrates how a Total Quality Management strategy articulated through the use of bootstrap algorithms can be used to achieve world-class performance in challenging environments such as complex organisations saturated with power struggles and internal politics. The book features insights on critical systems thinking, game theory, quality management systems, the Efqm Business Excellence Model, self-assessment, and the implementation of Tqm. Case studies provide practical insights from twenty years of empirical research on how to bootstrap Tqm and Business Excellence in complex environments. The ideas developed in the book have been acknowledged as a major contribution to the theory of Tqm, and the book itself is an indispensable resource for practitioners trying to implement Tqm in environments where traditional implementation methods are bound to fail.

Reconfigurable Cryptographic Processor - Leibo Liu 2018-05-16

This book focuses on the design methods for reconfigurable computing processors for cryptographic algorithms. It covers the dynamic reconfiguration analysis of cryptographic algorithms, hardware architecture design, and compilation techniques for reconfigurable cryptographic processors, and also presents a case study of implementing the reconfigurable cryptographic processor "Anole" designed by the authors' team. Moreover, it features discussions on countermeasures against physical attacks utilizing partially and dynamically reconfigurable array architecture to enhance security, as well as the latest trends for reconfigurable cryptographic processors. This book is intended for research scientists, graduate students, and

engineers in electronic science and technology, cryptography, network and information security, as well as computer science and technology.

Implementing IT governance in the public sector by use of bootstrap algorithms - Petter Ogland 2017-11-29

It has been argued that the reason seventy percent of all IT projects fail is due to lack of a formal system for guiding and monitoring IT decisions. Organisations having explicit IT governance systems are generally twice as successful as those with poor governance, given the same strategic objectives, but implementing IT governance can be difficult. In this book, Dr. Ogland looks at the public sector and argues that the implementation of IT governance has to be done through bootstrapping. The bootstrap algorithm (BA) is a time-tested approach that is known to work, but it is an approach that breaks with much of the logic of the public sector bureaucracy and is expected to be met with resistance. By analysing patterns in a study of trying to convince a Norwegian public sector organisation to implement IT governance through the use of the BA, the book is able to provide rich insights on what causes failure and how to make the implementation process succeed.

Handbook of Psychology, Forensic Psychology - Irving B. Weiner 2012-10-16

Psychology is of interest to academics from many fields, as well as to the thousands of academic and clinical psychologists and general public who can't help but be interested in learning more about why humans think and behave as they do. This award-winning twelve-volume reference covers every aspect of the ever-fascinating discipline of psychology and represents the most current knowledge in the field. This ten-year revision now covers discoveries based in neuroscience, clinical psychology's new interest in evidence-based practice and mindfulness, and new findings in social, developmental, and forensic psychology.

Current Research and Development in Scientific Documentation - 1961-05

Bootstrapping - Thierry Bardini 2000

This tells the story of Douglas Engelbart's revolutionary vision, reaching beyond conventional histories of Silicon Valley to probe the ideology that shaped some of the basic ingredients of contemporary life.

Mindful Design - Scott Riley 2018-12-10

Learn to create seamless designs backed by a responsible understanding of the human mind. This book examines how human behavior can be used to integrate your product design into lifestyle, rather than interrupt it, and make decisions for the good of those that are using your product. Mindful Design introduces the areas of brain science that matter to designers, and passionately explains how those areas affect each human's day-to-day experiences with products and interfaces. You will learn about the neurological aspects and limitations of human vision and perception; about our attachment to harmony and dissonance, such as visual harmony, musical harmony; and about our brain's propensity towards pattern recognition and how we perceive the world cognitively. In the second half of the book you will focus on the practical application of what you have learned, specific to interaction and interface design. Real-world examples are used throughout so that you can really see how design is impacting our everyday digital experience. Design is a responsibility, but not enough designers understand the human mind or the process of thought. This book explores the key factors involved and shows you how to make the right design choices. What You'll Learn Review how attention and distraction work and the cost of attentional switching Use Gestalt principles to communicate visual grouping Ensure your underlying models make sense to your audience Use time, progression, and transition to create a composition Carefully examine controlling behavior through reductionist and behaviorist motivation concepts Apply the theoretical knowledge to practical, mindful application design Who This Book Is For The primary audience for this book is professional designers who wish to learn

more about the human mind and how to apply that to their work. The book is also useful for design-focussed product owners and startup founders who wish to apply ethical thinking to a team, or when bootstrapping their products. The secondary audience is design students who are either studying a 'traditional' visual design course, or a UX/interaction design course who have a desire to learn how they might be able to apply mindful design to their early careers. Finally, a tertiary audience for this book would be tutors involved in teaching design, or peripheral, courses who may wish to incorporate its teachings into their lectures, workshops or seminars.

On Bootstrapping for Sample Design - Bryan F. J. Manly 1991

Bootstrapping - Christopher Z. Mooney 1993-08-09

"This book is. . . clear and well-written. . . anyone with any interest in the basis of quantitative analysis simply must read this book. . . well-written, with a wealth of explanation. . ." --Dougal Hutchison in Educational Research Using real data examples, this volume shows how to apply bootstrapping when the underlying sampling distribution of a statistic cannot be assumed normal, as well as when the sampling distribution has no analytic solution. In addition, it discusses the advantages and limitations of four bootstrap confidence interval methods--normal approximation, percentile, bias-corrected percentile, and percentile-t. The book concludes with a convenient summary of how to apply this computer-intensive methodology using various available software packages.

Bootstrap Methods - Michael R. Chernick 2011-09-23

A practical and accessible introduction to the bootstrap method—newly revised and updated Over the past decade, the application of bootstrap methods to new areas of study has expanded, resulting in theoretical and applied advances across various fields. Bootstrap Methods, Second

Edition is a highly approachable guide to the multidisciplinary, real-world uses of bootstrapping and is ideal for readers who have a professional interest in its methods, but are without an advanced background in mathematics. Updated to reflect current techniques and the most up-to-date work on the topic, the Second Edition features: The addition of a second, extended bibliography devoted solely to publications from 1999–2007, which is a valuable collection of references on the latest research in the field A discussion of the new areas of applicability for bootstrap methods, including use in the pharmaceutical industry for estimating individual and population bioequivalence in clinical trials A revised chapter on when and why bootstrap fails and remedies for overcoming these drawbacks Added coverage on regression, censored data applications, P-value adjustment, ratio estimators, and missing data New examples and illustrations as well as extensive historical notes at the end of each chapter With a strong focus on application, detailed explanations of methodology, and complete coverage of modern developments in the field, Bootstrap Methods, Second Edition is an indispensable reference for applied statisticians, engineers, scientists, clinicians, and other practitioners who regularly use statistical methods in research. It is also suitable as a supplementary text for courses in statistics and resampling methods at the upper-undergraduate and graduate levels.

Current Research and Development in Scientific Documentation - National Science Foundation (U.S.). Office of Scientific Information 1962

Self-Organizing Systems - David Hutchison 2007-08-26

This book constitutes the refereed proceedings of the Second International Workshop on Self-Organizing Systems, IWSOS 2007. The 17 revised full papers and five revised short papers presented together with two invited talks were carefully selected from more than 36

submissions. The papers are organized in topical sections on ad hoc routing, peer-to-peer networking, network topology, adaptive and self-organizing networks and multicast and mobility protocols.

Small Signal Audio Design - Douglas Self 2014-08-07

Learn to use inexpensive and readily available parts to obtain state-of-the-art performance in all the vital parameters of noise, distortion, crosstalk and so on. With ample coverage of preamplifiers and mixers and a new chapter on headphone amplifiers, this practical handbook provides an extensive repertoire of circuits that can be put together to make almost any type of audio system. A resource packed full of valuable information, with virtually every page revealing nuggets of specialized knowledge not found elsewhere. Essential points of theory that bear on practical performance are lucidly and thoroughly explained, with the mathematics kept to a relative minimum. Douglas' background in design for manufacture ensures he keeps a wary eye on the cost of things. Includes a chapter on power-supplies, full of practical ways to keep both the ripple and the cost down, showing how to power everything. Douglas wears his learning lightly, and this book features the engaging prose style familiar to readers of his other books. You will learn why mercury cables are not a good idea, the pitfalls of plating gold on copper, and what quotes from Star Trek have to do with PCB design. Learn how to: make amplifiers with apparently impossibly low noise design discrete circuitry that can handle enormous signals with vanishingly low distortion use humble low-gain transistors to make an amplifier with an input impedance of more than 50 Megohms transform the performance of low-cost-opamps, how to make filters with very low noise and distortion make incredibly accurate volume controls make a huge variety of audio equalisers make magnetic cartridge preamplifiers that have noise so low it is limited by basic physics sum, switch, clip, compress, and route audio signals The second edition is expanded

throughout (with added information on new ADCs and DACs, microcontrollers, more coverage of discrete op amp design, and many other topics), and includes a completely new chapter on headphone amplifiers.

The Impact of Digital Technologies on Public Health in Developed and Developing Countries - Mohamed Jmaiel
2020-01-01

This open access book constitutes the refereed proceedings of the 18th International Conference on String Processing and Information Retrieval, ICOST 2020, held in Hammamet, Tunisia, in June 2020.* The 17 full papers and 23 short papers presented in this volume were carefully reviewed and selected from 49 submissions. They cover topics such as: IoT and AI solutions for e-health; biomedical and health informatics; behavior and activity monitoring; behavior and activity monitoring; and wellbeing technology. *This conference was held virtually due to the COVID-19 pandemic.

Collaboration in Creative Design - Panos Markopoulos
2016-05-11

This book presents a number of new methods, tools, and approaches aimed to assist researchers and designers during the early stages of the design process, focusing on the need to approach the development of new interactive products, systems and related services by closely observing the needs of potential end-users through adopting a design thinking approach. A wide range of design approaches are explored, some emphasizing on the physicality of interaction and the products designed, others exploring interactive design and the emerging user experience (UX) with a focus on the value to the end-user. Contemporary design processes and the role of software tools to support design are also discussed. The researchers draw their expertise from a wide range of fields and it is this interdisciplinary approach which provides a unique perspective resulting in a flexible collection of methods that can be applied to a wide range of design contexts. Interaction and UX designers and product design specialists will all find *Collaboration in Creative Design* an essential read.