



**BOOTSTRAP
LITERATURE:**

**preliterate
societies
do it themselves**

Margaret M. Wendell

Bootstrap Literature

RS Peters



Bootstrap Literature:

Bootstrap Literature Margaret M. Wendell, 1982 **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 *An Introduction to the Bootstrap* Bradley Efron, R.J. Tibshirani, 1994-05-15 An Introduction to the Bootstrap arms scientists and engineers as well as statisticians with the computational techniques they need to analyze and understand complicated data sets The bootstrap is a computer based method of statistical inference that answers statistical questions without formulas and gives a direct appreciation of variance bias coverage and other probabilistic phenomena This book presents an overview of the bootstrap and related methods for assessing statistical accuracy concentrating on the ideas rather than their mathematical justification Not just for beginners the presentation starts off slowly but builds in both scope and depth to ideas that are quite sophisticated The Jackknife and Bootstrap Jun Shao, Dongsheng Tu, 2012-12-06 The jackknife and bootstrap are the most popular data resampling methods used in statistical analysis The resampling methods replace theoretical derivations required in applying traditional methods such as substitution and linearization in statistical analysis by repeatedly resampling the original data and making inferences from the resamples Because of the availability of inexpensive and fast computing these computer intensive methods have caught on very rapidly in recent years and are particularly appreciated by applied statisticians The primary aims of this book are 1 to provide a systematic introduction to the theory of the jackknife the bootstrap and other resampling methods developed in the last twenty years 2 to provide a guide for applied statisticians practitioners often use or misuse the resampling methods in situations where no theoretical

confirmation has been made and 3 to stimulate the use of the jackknife and bootstrap and further developments of the resampling methods The theoretical properties of the jackknife and bootstrap methods are studied in this book in an asymptotic framework Theorems are illustrated by examples Finite sample properties of the jackknife and bootstrap are mostly investigated by examples and or empirical simulation studies In addition to the theory for the jackknife and bootstrap methods in problems with independent and identically distributed Li d data we try to cover as much as we can the applications of the jackknife and bootstrap in various complicated non Li d data problems

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

Handbook of Applied Economic Statistics Aman Ullah,1998-02-03 This work examines theoretical issues as well as practical developments in statistical inference related to econometric models and analysis This work offers discussions on such areas as the function of statistics in aggregation income inequality poverty health spatial econometrics panel and survey data bootstrapping and time series

Journal of Economic Literature ,2004

International Encyclopedia of Statistical Science Miodrag Lovric,2025-06-19 The International Encyclopedia of Statistical Science stands as a monumental effort to enrich statistics education globally particularly in regions facing educational challenges By amalgamating the expertise of over 700 authors from 110 countries including Nobel Laureates and presidents of statistical societies it offers an unparalleled resource for readers worldwide This encyclopedia is not just a collection of entries it is a concerted effort to revive statistics as a vibrant critical field of study and application Providing a comprehensive and accessible account of statistical terms methods and applications it enables readers to gain a quick insight into the subject regardless of their background This work serves to refresh and expand the knowledge of researchers managers and practitioners highlighting the relevance and applicability of statistics across various fields from economics and business to healthcare and public policy Furthermore it aims to inspire students by demonstrating the significance of statistics in solving real world problems thus encouraging a new generation to explore and contribute to the field

Handbook of Computational Statistics Yuichi Mori,2004-07-14 The Handbook of Computational Statistics

Concepts and Methodology is divided into four parts It begins with an overview over the field of Computational Statistics The second part presents several topics in the supporting field of statistical computing Emphasis is placed on the need of fast and accurate numerical algorithms and it discusses some of the basic methodologies for transformation data base handling and graphics treatment The third part focuses on statistical methodology Special attention is given to smoothing iterative procedures simulation and visualization of multivariate data Finally a set of selected applications like Bioinformatics Medical Imaging Finance and Network Intrusion Detection highlight the usefulness of computational statistics

Proceedings of the ... Conference on the Design of Experiments ,1992

Price Indexes in Time and Space Luigi Biggeri,Guido Ferrari,2010-07-03 This book deals with many of the most relevant topics in price index numbers theory and practice The problem of the harmonization of CPIs and the time space integration of baskets is analyzed at the Eu zone level with methodological and actual proposals on how to proceed for an overall treatment of the matter Likewise the construction of sub indexes for households economic and social groups is investigated in order to obtain specific inflation measurement instruments Evidence from most updated databases is given The questions of the spatial comparisons of price levels through PPPs and the

Applied Missing Data Analysis Craig K. Enders,2010-04-23 Walking readers step by step through complex concepts this book translates missing data techniques into something that applied researchers and graduate students can understand and utilize in their own research Enders explains the rationale and procedural details for maximum likelihood estimation Bayesian estimation multiple imputation and models for handling missing not at random MNAR data Easy to follow examples and small simulated data sets illustrate the techniques and clarify the underlying principles The companion website includes data files and syntax for the examples in the book as well as up to date information on software The book is accessible to substantive researchers while providing a level of detail that will satisfy quantitative specialists This book will appeal to researchers and graduate students in psychology education management family studies public health sociology and political science It will also serve as a supplemental text for doctoral level courses or seminars in advanced quantitative methods survey analysis longitudinal data analysis and multilevel modeling and as a primary text for doctoral level courses or seminars in missing data

Non-Life Insurance Mathematics Thomas Mikosch,2009-04-21 Offers a mathematical introduction to non life insurance and at the same time to a multitude of applied stochastic processes It gives detailed discussions of the fundamental models for claim sizes claim arrivals the total claim amount and their probabilistic properties The reader gets to know how the underlying probabilistic structures allow one to determine premiums in a portfolio or in an individual policy Zentralblatt f r Didaktik der Mathematik

Journal of the American Statistical Association ,2005

An Introduction to Bootstrap Methods with Applications to R Michael R. Chernick,Robert A. LaBudde,2014-08-21 A comprehensive introduction to bootstrap methods in the R programming environment Bootstrap methods provide a powerful approach to statistical data analysis as they have more general applications than standard parametric methods An

Introduction to Bootstrap Methods with Applications to R explores the practicality of this approach and successfully utilizes R to illustrate applications for the bootstrap and other resampling methods This book provides a modern introduction to bootstrap methods for readers who do not have an extensive background in advanced mathematics Emphasis throughout is on the use of bootstrap methods as an exploratory tool including its value in variable selection and other modeling environments The authors begin with a description of bootstrap methods and its relationship to other resampling methods along with an overview of the wide variety of applications of the approach Subsequent chapters offer coverage of improved confidence set estimation estimation of error rates in discriminant analysis and applications to a wide variety of hypothesis testing and estimation problems including pharmaceutical genomics and economics To inform readers on the limitations of the method the book also exhibits counterexamples to the consistency of bootstrap methods An introduction to R programming provides the needed preparation to work with the numerous exercises and applications presented throughout the book A related website houses the book's R subroutines and an extensive listing of references provides resources for further study Discussing the topic at a remarkably practical and accessible level An Introduction to Bootstrap Methods with Applications to R is an excellent book for introductory courses on bootstrap and resampling methods at the upper undergraduate and graduate levels It also serves as an insightful reference for practitioners working with data in engineering medicine and the social sciences who would like to acquire a basic understanding of bootstrap methods

Two Essays on the Moving Blocks Bootstrap and Robust Inference in Linear Regressions Bernd Fitzenberger, 1993

The Bootstrap and Edgeworth Expansion Peter Hall, 1992-01-09 This monograph addresses two quite different topics each being able to shed light on the other Firstly it lays the foundation for a particular view of the bootstrap Secondly it gives an account of Edgeworth expansion The first two chapters deal with the bootstrap and Edgeworth expansion respectively while chapters 3 and 4 bring these two themes together using Edgeworth expansion to explore and develop the properties of the bootstrap The book is aimed at graduate level for those with some exposure to the methods of theoretical statistics However technical details are delayed until the last chapter such that mathematically able readers without knowledge of the rigorous theory of probability will have no trouble understanding most of the book

Bootstrapping Christopher Z. Mooney, Robert D. Duval, Robert Duvall, 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

The Bootstrap for Dependent Heterogeneous Processes Sílvia

Gonçalves,2000 **Bootstrap Methods** ,2008 This book provides an introduction to the bootstrap for readers who have professional interest in its methods but do not have a background in advanced mathematics It offers reliable authoritative coverage of the bootstrap s considerable advantages as well as its drawbacks This Second Edition takes great care to draw connections between the more traditional resampling methods and the bootstrap and places even more emphasis on the use of the bootstrap as an exploratory tool including its value in variable selection and other modeling problems

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