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Before and After the Great Recession and the Commodity Crisis Springer

Data science has always been an effective way of extracting knowledge and insights from information in various forms. One industry that can utilize the benefits from the advances in data science is the healthcare field. The Handbook of Research on Data Science for Effective Healthcare Practice and Administration is a critical reference source that overviews the state of data analysis as it relates to current practices in the health sciences field. Covering innovative topics such as linear programming, simulation modeling, network theory, and predictive analytics, this publication is recommended for all healthcare professionals, graduate students, engineers, and researchers that are seeking to expand their knowledge of efficient techniques for information analysis in the healthcare professions.

Past, Present, and Future of Statistical Science Cambridge University Press

Graduate Programs in the Physical Sciences, Mathematics, Agricultural Sciences, the Environment & Natural Resources 2012 contains more than 2,900 graduate programs in 59 disciplines-including agriculture and food sciences, astronomy and astrophysics, chemistry, physics, mathematics, environmental sciences and management, natural resources, marine sciences, and more. This guide is part of Peterson's six-volume Annual Guides to Graduate Study, the only annually updated reference work of its kind, provides wide-ranging information on the graduate and professional programs offered by U.S.-accredited colleges and universities in the United States and throughout the world. Informative data profiles for more than 2,900 graduate programs in 59 disciplines, including facts and figures on accreditation, degree requirements, application deadlines and contact information, financial support, faculty, and student body profiles. Two-page in-depth descriptions, written by featured institutions, offer complete details on specific graduate programs, schools, or departments as well as information on faculty research and the college or university. Expert advice on the admissions process, financial support, and accrediting agencies. Comprehensive directories list programs in this volume, as well as others in the graduate series. Up-to-date appendixes list institutional changes since the last addition along with abbreviations used in the guide

Statistical Signal Processing for Neuroscience and Neurotechnology Academic Press

Developing New National Data on Social Mobility summarizes a workshop convened in June 2013 to consider options for a design for a new national survey on social mobility. The workshop was

sponsored by the National Science Foundation and convened by the Committee on Population and the Committee on National Statistics Division of Behavioral and Social Sciences and Education of the National Research Council. Scientific experts from a variety of social and behavioral disciplines met to plan a new national survey on social mobility that will provide the first definitive evidence on recent and long-term trends in social mobility, with the objectives of coming to an understanding of the substantial advances in the methods and statistics for modeling mobility, in survey methodology and population-based survey experiments, in opportunities to merge administrative and survey data, and in the techniques of measuring race, class, education, and income. The workshop also focused on documenting the state of understanding of the mechanisms through which inequality is generated in the past four decades. In the absence of a survey designed and dedicated to the collection of information to assess the status of social mobility, a wide variety of data sources designed for other purposes have been pressed into service in order to illuminate the state of social mobility and its trends. Developing New National Data on Social Mobility discusses the key decision points associated with launching a new national level survey of social mobility. This report considers various aspects of a major new national survey, including identifying relevant new theoretical perspectives and technical issues that have implications for modeling, measurement, and data collection.

Guilford Publications

Ambitious in nature, the Istanbul Programme of Action (IPoA) for the Least Developed Countries (LDCs) adopted by the Fourth United Nations Conference on the LDCs (UN LDC IV) in 2011, sets out a development path for LDCs for the coming decade. Successful implementation of the IPoA requires identification of delivery tools for specific targets, provision of necessary financial and non-financial resources, and a strengthened monitoring mechanism. LDC IV Monitor, an independent partnership of eight interested organisations, aims to add value by enhancing transparency, accountability and efficiency of the official monitoring and review mechanism of the IPoA. LDC IV Monitor's first set of two reports, produced outside of the official intergovernmental process, provide credible, evidence-based and policy-oriented assessment of the delivery status of the promises contained in the IPoA. The Synthesis Report, derived from the critical analyses of the state of play concerning the IPoA, presents the broad messages and key recommendations. The volume on Analytical Perspectives addresses a wide spectrum of issues including articulation of a composite IPoA index, building of productive capacity, trade in goods and services, delivery of the Millennium Development Goals (MDGs), flows of different forms of development finance, and consequences of climate change. The

publications seek to contribute towards crafting national and international policies to support graduation of the LDCs through structural transformation of their economies.

Compendium of HHS Evaluations and Relevant Other Studies IGI Global

This book analyzes educational management in the context of developing effective schools in South-Eastern European countries and situates the discussion within ongoing education debates in EU countries. The book revolves around the specific role and practices of school principals, who are positioned as a nexus of educational management in each school. Presenting innovative research in the field of educational management and effectiveness this volume will be invaluable for a range of education specialists.

REITs, Trading, and Fund Performance, Volume 2 Springer

A fine blend of the three disciplines, viz. quality, reliability and maintainability, this book provides a clear understanding of the concepts and discusses their applications using statistical tools and techniques. The concepts are critically assessed and explained to enable their use for management decision-making. The book describes many current topics such as six sigma, capability maturity model integration (CMMI), process data management, reliability system models, repairable system models, maintainability assessment and design and testing concepts. It is intended as a textbook for the undergraduate students of Mechanical Engineering and Production and Industrial Engineering. The book will also be useful to the postgraduate students of Applied Statistics, Quality and Reliability, and Quality and Productivity Management as well as to the management and engineering professionals. KEY FEATURES : Provides charts and plots to explain the concepts discussed. Gives an account of most recent developments. Gives illustrations of practical situations where tools can be applied immediately. Interspersed with plenty of worked-out examples to reinforce the concepts. Includes chapter-end exercises to drill the students in self-study.

Section 7 of 10 Peterson's

This essential book details intermediate-level statistical methods and frameworks for the clinician and medical researcher with an elementary grasp of health statistics and focuses on selecting the appropriate statistical method for many scenarios. Detailed evaluation of various methodologies familiarizes readers with the available techniques and equips them with the tools to select the best from a range of options. The inclusion of a hypothetical case study between a clinician and statistician charting the conception of the research idea through to results dissemination enables the reader to understand how to apply the concepts covered into their day-to-day clinical practice. Applied Statistical Considerations for Clinical Researchers focuses on how clinicians can approach statistical issues when confronted with a medical research problem by considering the data structure, how this relates to their study's aims and any potential knock-on effects relating to the evidence required to make correct clinical decisions. It covers the application of intermediate-level techniques in health statistics making it an ideal resource for the clinician seeking an up-to-date resource on the topic.

Peterson's Graduate Programs Programs in Mathematics 2011 IAP

Quantitative methodology is a highly specialized field. This handbook is intended to introduce applied statisticians, empirical researchers & graduate students to the broad array of state-of-the-art quantitative methodologies in the social sciences.

Handbook of Research on Data Science for Effective Healthcare Practice and Administration National Academies Press

Peterson's Graduate Programs in Mathematics contains a wealth of information on colleges and universities that offer graduate work in Applied Mathematics, Applied Statistics, Biomathematics, Biometry, Biostatistics, Computational Sciences, Mathematical and Computational Finance, Mathematics, and Statistics. The institutions listed include those in the United States, Canada, and abroad that are accredited by U.S. accrediting bodies. Up-to-date information, collected through Peterson's Annual Survey of Graduate and Professional Institutions, provides valuable information on degree offerings, professional accreditation, jointly offered degrees, part-time and evening/weekend programs, postbaccalaureate distance degrees, faculty, students, degree requirements, entrance requirements, expenses, financial support, faculty research, and unit head and application contact information. Readers will find helpful links to in-depth descriptions that offer additional detailed information about a specific program or department, faculty members and their research, and much more. In addition, there are valuable articles on financial assistance, the graduate admissions process, advice for international and minority students, and facts about accreditation, with a current list of accrediting agencies.

Insider's Guide to Graduate Programs in Clinical and Counseling Psychology Academic Press

"This book brings computing solutions to ancient practices and modern concerns, sowing the seeds for a sustainable, constant food supply, utilizing cutting-edge computational techniques"--Provided by publisher.

Scholarships, Fellowships, and Loans Peterson's

This is a uniquely comprehensive reference that summarizes the state of the art of signal processing theory and techniques for solving emerging problems in neuroscience, and which clearly presents new theory, algorithms, software and hardware tools that are specifically tailored to the nature of the neurobiological environment. It gives a broad overview of the basic principles, theories and methods in statistical signal processing for basic and applied neuroscience problems. Written by experts in the field, the book is an ideal reference for researchers working in the field of neural engineering, neural interface, computational neuroscience, neuroinformatics, neuropsychology and neural physiology. By giving a broad overview of the basic principles, theories and methods, it is also an ideal introduction to statistical signal processing in neuroscience. A comprehensive overview of the specific problems in neuroscience that require application of existing and development of new theory, techniques, and technology by the signal processing community. Contains state-of-the-art signal processing, information theory, and machine learning algorithms and techniques for neuroscience research. Presents quantitative and information-driven science that has been, or can be, applied to basic and translational neuroscience problems.

Credentialing Policies and Practice Academic Press

The Grants Register 2016 The Complete Guide to Postgraduate Funding Worldwide Springer

The SAGE Handbook of Quantitative Methodology for the Social Sciences World Scientific
Reliability Analysis and Plans for Successive Testing: Start-up Demonstration Tests and Applications discusses all past and recent developments on start-up demonstration tests in the context of current numerical and illustrative examples to clarify available methods for distribution theorists and applied

mathematicians dealing with control problems. Throughout the book, the authors focus on the panorama of open problems and issues of further interest. As contemporary manufacturers face tremendous commercial pressures to assemble works of high reliability, defined as 'the probability of the product performing its role under the stated conditions and over a specified period of time', this book helps address testing issues. Unites the tools and methodologies of applied statistics and stochastic modeling to aid the determination of device reliability for better performing consumer goods. Clearly articulates how successive testing methods can be used in practice. Comments not only on distribution sequences closed, but also on open problems and issues of further interest for researchers.

From Finite Sample to Asymptotic Methods in Statistics IGI Global

New Scientist magazine was launched in 1956 "for all those men and women who are interested in scientific discovery, and in its industrial, commercial and social consequences". The brand's mission is no different today - for its consumers, New Scientist reports, explores and interprets the results of human endeavour set in the context of society and culture.

Frontiers of Applied and Computational Mathematics CRC Press

The most comprehensive guide on postgraduate grants and professional funding globally. For thirty-four years it has been the leading source for up-to-date information on the availability of, and eligibility for, postgraduate and professional awards. Each entry is verified by its awarding body and all information is updated annually.

Caring for the Elderly Academic Conferences Inter Ltd

Participants in Asian financial markets have witnessed the unprecedented growth and sophistication of their investments since the 1997 crisis. Handbook of Asian Finance: REITs, Trading, and Fund Performance analyzes the forces behind these growth rates. Insights into banking, fund performance, and the effects of trading technologies for practitioners to tax evasion, market manipulation, and corporate governance issues are all here, presented by expert scholars. Offering broader and deeper coverage than other handbooks, the Handbook of Asian Finance: REITs, Trading, and Fund Performance explains what is going on in Asia today. Presents the only micro- and market-related analysis of pan-Asian finance available today. Explores the implications implicit in the expansion of sovereign funds and the growth of the hedge fund and real estate fund management industries. Investigates the innovations in technology that have ushered in faster capital flow and larger trading volumes.

Political Representation in Southern Europe and Latin America Peterson's

This is the first comprehensive teaching resource and textbook for the teaching of MATLAB in the Neurosciences and in Psychology. MATLAB is unique in that it can be used to learn the entire empirical and experimental process, including stimulus generation, experimental control, data collection, data analysis and modeling. Thus a wide variety of computational problems can be addressed in a single programming environment. The idea is to empower advanced undergraduates and beginning graduate students by allowing them to design and implement their own analytical

tools. As students advance in their research careers, they will have achieved the fluency required to understand and adapt more specialized tools as opposed to treating them as "black boxes". Virtually all computational approaches in the book are covered by using genuine experimental data that are either collected as part of the lab project or were collected in the labs of the authors, providing the casual student with the look and feel of real data. In some cases, published data from classical papers are used to illustrate important concepts, giving students a computational understanding of critically important research. The first comprehensive textbook on MATLAB with a focus for its application in neuroscience. Problem based educational approach with many examples from neuroscience and cognitive psychology using real data. Authors are award-winning educators with strong teaching experience.

Basic Bivariate Techniques Elsevier Publishing Company

Conference Proceedings of 4th International Conference on Gender Research

Internet Management Issues: A Global Perspective SAGE Publications India

This collective volume - with contributions from experts on these regions - examines broader questions about the current crises (The Great Recession and The Commodity Crisis) and the associated changes in political representation in both regions. It provides a general overview of political representation studies in Southern Europe and Latin America and builds bridges between the two traditions of political representation studies, affording greater understanding of developments in each region and promote future research collaboration between Southern Europe and Latin America. Finally, the book addresses questions of continuity and change in patterns of political representation after the onset of the two economic crises, specifically examining issues such as changes in citizens' democratic support and trust in political representatives and institutions, in-descriptive representation (in the sociodemographic profile of MPs) and in-substantive representation (in the link between voters and MPs in terms of ideological congruence and/or policy/issue orientations). This book will be of key interest to scholars and students of political elites, political representation, European and Latin American politics/studies, and more broadly to comparative politics.

Reliability Analysis and Plans for Successive Testing SAGE

Research Methods for Graduate Business and Social Science Students is a fundamental and easy guide to studying research methods. In addition to the general concepts relating to research methods, broad research issues and theoretical concepts critical to research are discussed. The book is written in a highly reader-friendly manner and contains plenty of examples and helpful practical exercises at the end of each chapter to reinforce and enjoy learning. Divided into 16 chapters, the authors aim to clearly and concisely explain the basics of quantitative and qualitative analysis and research to students, including: - Research ethics - Formulation and process of research - Literature analysis and critical reading - How to plan and implement a research project - Data collection, survey research and data management - Practical research techniques - Elementary and advanced statistical analyses - Assessment, reliability and validity of research work - Guidelines on research writing and structures of dissertation