The Probit Logit Models Uc3m

The Mathematics of the UncertainNew Methods in Fixed Income ModelingNew Policy Challenges for European MultinationalsEffective Investments on Capital MarketsRegression BasicsEconometrics by ExampleArtificial Intelligence and Algorithms in Intelligent SystemsIntroduction to General and Generalized Linear ModelsBayesian inference with INLAKnowledge Management and Acquisition for Smart Systems and ServicesPalgrave Handbook of International TradeQuantitative Models for Reverse LogisticsDeterminants of InnovationThe Economics of Time UseClear and Convincing EvidenceModern Mathematical Tools and Techniques in Capturing ComplexityCompetitive Advantage in SMEsIntertemporal Production Frontiers: With Dynamic DEAAgrarian Reform and Peasant Revolution in Spain; Origins of the Civil WarHigh-performance Work SystemsRun of the Red QueenBanking and Credit in Argentina, Brazil, Chile, and PeruCrime Victims: An Introduction to VictimologyReport of the Presidential Commission on the Space Shuttle Challenger AccidentSoft Computing: Methodologies and ApplicationsSAS/INSIGHT 9.1Three Essays in Financial Markets. The Bright Side of Financial Derivatives: Options Trading and Firm InnovationWhy Do Countries Peg the Way They Peg?The Determinants of Anchor Currency ChoiceAdvances in Theoretical and Applied StatisticsPatent PledgesCOMPSTAT 2004 - Proceedings in Computational StatisticsSAS for Mixed ModelsPitfalls of Participatory ProgramsThe Offshoring ChallengeThe Political Economy of Governance2019 Fifth International Conference on Science Technology Engineering and Mathematics (ICONSTEM)Innovation and Firm PerformanceRisk Management and Financial InstitutionsApplied Econometrics with RCompensation and Organizational Performance

The Mathematics of the Uncertain

This proceedings volume presents current research and innovative solutions into capital markets, particularly in Poland. Featuring contributions presented at the 10th Capital Market Effective Investments (CMEI 2018) conference held in Międzyzdroje, Poland, this book explores the future of capital markets in Poland as well as comparing it with the capital markets of other developed regions around the world. Divided into four parts, the enclosed papers provide a background into the theoretical foundations of capital market investments, explores different approaches—both classical and contemporary—to investment decision making, analyzes the behaviors of investors using experimental economics and behavioral finance, and explores practical issues related to financial market investments, including real case studies. In addition, each part of the book begins with an introductory chapter written by thematic editors that provides an outline of the subject area and a summary of the papers presented.

New Methods in Fixed Income Modeling

New Policy Challenges for European Multinationals

Few observers are unimpressed by the economic ambition of China or by the nation's remarkable rate of growth. But what does the future hold? This meticulously researched book closely examines the strengths and weaknesses of the Chinese economic system to discover where the nation may be headed and what the Chinese experience reveals about emerging market economies. The authors find that contrary to popular belief, cutting edge innovation is not a prerequisite for sustained economic vitality--and that China is a perfect case in point.

Effective Investments on Capital Markets

The integrated nested Laplace approximation (INLA) is a recent computational method that can fit Bayesian models in a fraction of the time required by typical Markov chain Monte Carlo (MCMC) methods. INLA focuses on marginal inference on the model parameters of latent Gaussian Markov random fields models and exploits conditional independence properties in the model for computational speed. Bayesian Inference with INLA provides a description of INLA and its associated R package for model fitting. This book describes the underlying methodology as well as how to fit a wide range of models with R. Topics covered include generalized linear mixed-effects models, multilevel models, spatial and spatio-temporal models, smoothing methods, survival analysis, imputation of missing values, and mixture models. Advanced features of the INLA package and how to extend the number of priors and latent models available in the package are discussed. All examples in the book are fully reproducible and datasets and R code are available from the book website. This book will be helpful to researchers from different areas with some background in Bayesian inference that want to apply the INLA method in their work. The examples cover topics on biostatistics, econometrics, education, environmental science, epidemiology, public health, and the social sciences.

Regression Basics

Discover the power of mixed models with SAS. Mixed models—now the mainstream vehicle for analyzing most research data—are part of the core curriculum in most master's degree programs in statistics and data science. In a single volume, this book updates both SAS® for Linear Models, Fourth Edition, and SAS® for Mixed Models, Second Edition, covering the latest capabilities for a variety of applications featuring the SAS GLIMMIX and MIXED procedures. Written for instructors of statistics, graduate students, scientists, statisticians in business or government, and other decision makers, SAS® for Mixed Models is the perfect entry for those with a background in two-way analysis of variance, regression, and intermediate-level use of SAS. This book expands coverage of mixed models for non-normal data and mixed-model-based precision and power

analysis, including the following topics: Random-effect-only and random-coefficients models Multilevel, split-plot, multilocation, and repeated measures models Hierarchical models with nested random effects Analysis of covariance models Generalized linear mixed models This book is part of the SAS Press program.

Econometrics by Example

Focusing on how small- and medium-sized enterprises (SMEs) can improve their performance and create and sustain long-term competitive advantage, this text draws upon empirical evidence to illustrate how SMEs can become more innovative through the introduction of new products and services.

Artificial Intelligence and Algorithms in Intelligent Systems

Economic, marketing, and legislative considerations are increasingly leading companies to take back and recover their products after use. From a logistics perspective, these initiatives give rise to new goods flows from the user back to the producer. The management of these goods flows opposite to the traditional supply chain flows is addressed in the recently emerged field of Reverse Logistics. This monograph considers quantitative models that support decision making in Reverse Logistics. To this end, several recent case studies are reviewed. Moreover, first hand insight from a study on used electronic equipment is reported on. On this basis, logistics issues arising in the management of "reverse" goods flows are identified. Moreover, differences between Reverse Logistics and more traditional logistics contexts are highlighted. Finally, attention is paid to capturing the characteristics of Reverse Logistics in appropriate quantitative models.

Introduction to General and Generalized Linear Models

This book presents new approaches to fixed income modeling and portfolio management techniques. Taking into account the latest mathematical and econometric developments in finance, it analyzes the hedging securities and structured instruments that are offered by banks, since recent research in the field of fixed incomes and financial markets has raised awareness for changes in market risk management strategies. The book offers a valuable resource for all researchers and practitioners interested in the theory behind fixed income instruments, and in their applications in financial portfolio management.

Bayesian inference with INLA

Land tenure and rural social structure; Agrarian reform and peasant revolution.

Knowledge Management and Acquisition for Smart Systems and Services

This title is your complete documentation source for SAS/INSIGHT software, including a usage section that explains how to accomplish particular tasks as well as a reference section that provides comprehensive descriptions of data, graphs, and analyses.

Palgrave Handbook of International Trade

Bridging the gap between theory and practice for modern statistical model building, Introduction to General and Generalized Linear Models presents likelihood-based techniques for statistical modelling using various types of data. Implementations using R are provided throughout the text, although other software packages are also discussed. Numerous examples show how the problems are solved with R. After describing the necessary likelihood theory, the book covers both general and generalized linear models using the same likelihood-based methods. It presents the corresponding/parallel results for the general linear models first, since they are easier to understand and often more well known. The authors then explore random effects and mixed effects in a Gaussian context. They also introduce non-Gaussian hierarchical models that are members of the exponential family of distributions. Each chapter contains examples and guidelines for solving the problems via R. Providing a flexible framework for data analysis and model building, this text focuses on the statistical methods and models that can help predict the expected value of an outcome, dependent, or response variable. It offers a sound introduction to general and generalized linear models using the popular and powerful likelihood techniques. Ancillary materials are available at www.imm.dtu.dk/~hm/GLM

Quantitative Models for Reverse Logistics

The second edition of this bestselling textbook retains its unique learning-by-doing approach to econometrics. Rather than relying on complex theoretical discussions and complicated mathematics, this book explains econometrics from a practical point of view by walking the student through real-life examples, step by step. Damodar Gujarati's clear, concise, writing style guides students from model formulation, to estimation and hypothesis-testing, through to post-estimation diagnostics. The basic statistics needed to follow the book are covered in an appendix, making the book a flexible and self-contained learning resource. The textbook is ideal for undergraduate students in economics, business, marketing, finance, operations research and related disciplines. It is also intended for students in MBA programs across the social sciences, and for researchers in business, government and research organizations who require econometrics.

Determinants of Innovation

This book extends the efficiency literature to the case of intertemporal models. First, the authors introduce static network models which serve as building blocks for the intertemporal budgeting models and the dynamic models. Next, the authors devote two chapters to productivity measurements, which are considered as comparative static models. Intertemporal budgeting models and dynamic models are taken up subsequently. Each chapter, except the first, contains empirical applications.

The Economics of Time Use

These studies are based on information on time use in nine countries. It deals with the "when?" and "with whom?" questions describing human behavior, "what is done?" questions of the quantities and determinants of economic activities as well as children's issues and issues involved in the creation of the American Time Use Survey (ATUS).

Clear and Convincing Evidence

The emergence of new firm-level data, including the European Community Innovation Survey (CIS), has led to a surge of studies on innovation and firm behaviour. This book documents progress in four interrelated fields: · investigation of the use of new indicators of innovation output · investigation of determinants of innovative behaviour · the role of spillovers, the public knowledge infrastructure and research and development collaboration · The impact of innovation on firm performance Written by an international group of contributors, the studies are based on agriculture and the manufacturing and service industries in Europe and Canada and provide new insights into the driving forces behind innovation.

Modern Mathematical Tools and Techniques in Capturing Complexity

This up-to-date, research-oriented textbook focuses on the relationship between compensation systems and firm overall performance. In contrast to more traditional compensation texts, it provides a strategic perspective to compensation administration rather than a functional viewpoint. The text emphasizes the role of managerial pay, its importance, determinants, and impact on organizations. It analyzes recent topics in executive compensation, such as pay in high technology firms, managerial risk taking, rewards in family companies, and the link between compensation and social responsibility and ethical issues, among others. The authors provide a thorough and comprehensive review of the vast literatures relevant to compensation and revisit debates grounded in different theoretical perspectives. They provide insights from disciplines as diverse as management, economics, sociology, and psychology, and amplify previous discussions with the latest empirical findings on compensation, its dynamics, and its contribution to firm overall performance.

Competitive Advantage in SMEs

Micro-econometric analyses cover a wide range of new innovation 'input' and 'output' indicators. Among the robust findings about determinants of innovation is evidence on the importance of technological opportunity, of appropriability of innovation benefits, and of Schmooklerian demand-pull effects. As opposed to the evidence from standard R&D data, small firms appear more innovative and the impact of market power on innovation is, in the best case, modest.

Intertemporal Production Frontiers: With Dynamic DEA

Do financial derivatives enhance or impede innovation? We aim to answer this question by examining the relationship between equity options markets and standard measures of firm innovation. Our baseline results show that firms with more options trading activity generate more patents and patent citations per dollar of R&D invested. We then investigate how more active options markets affect firms' innovation strategy. Our results suggest that firms with greater trading activity pursue a more creative, diverse and risky innovation strategy. We discuss potential underlying mechanisms and show that options appear to mitigate managerial career concerns that would induce managers to take actions that boost short-term performance measures. Finally, using several econometric specifications that try to account for the potential endogeneity of options trading, we argue that the positive effect of options trading on firm innovation is causal.

Agrarian Reform and Peasant Revolution in Spain; Origins of the Civil War

Real-life problems are often quite complicated in form and nature and, for centuries, many different mathematical concepts, ideas and tools have been developed to formulate these problems theoretically and then to solve them either exactly or approximately. This book aims to gather a collection of papers dealing with several different problems arising from many disciplines and some modern mathematical approaches to handle them. In this respect, the book offers a wide overview on many of the current trends in Mathematics as valuable formal techniques in capturing and exploiting the complexity involved in real-world situations. Several researchers, colleagues, friends and students of Professor María Luisa Menéndez have contributed to this volume to pay tribute to her and to recognize the diverse contributions she had made to the fields of Mathematics and Statistics and to the profession in general. She had a sweet and strong personality, and instilled great values and work ethics in her students through her dedication to teaching and research. Even though the academic community lost her prematurely, she would continue to provide inspiration to many students and researchers worldwide through her published work.

High-performance Work Systems

This volume takes stock of the latest international business research on the relationship between European multinational enterprises (MNEs) and their policy environment. The volume brings together a variety of scholarly contributions from an European perspective. European MNEs were amongst the earliest to internationalize and many now command globally dispersed operations. European MNEs pioneered the multi-centric organizational form, which can be interpreted in part as an effort to address the policy challenges facing these firms in environments fraught with natural and government-imposed market imperfections. The volume covers four dimensions of MNE corporate strategy in the face of complex policy environments: 1. Corporate strategic responses to national policy institutions 2. Pro-active institution-oriented strategies 3. Dynamics of international business-government relations; 4. Corporate strategies in turbulent times.

Run of the Red Queen

This work has been selected by scholars as being culturally important, and is part of the knowledge base of civilization as we know it. This work was reproduced from the original artifact, and remains as true to the original work as possible. Therefore, you will see the original copyright references, library stamps (as most of these works have been housed in our most important libraries around the world), and other notations in the work. This work is in the public domain in the United States of America, and possibly other nations. Within the United States, you may freely copy and distribute this work, as no entity (individual or corporate) has a copyright on the body of the work. As a reproduction of a historical artifact, this work may contain missing or blurred pages, poor pictures, errant marks, etc. Scholars believe, and we concur, that this work is important enough to be preserved, reproduced, and made generally available to the public. We appreciate your support of the preservation process, and thank you for being an important part of keeping this knowledge alive and relevant.

Banking and Credit in Argentina, Brazil, Chile, and Peru

The conference will create a platform for the researchers, policy makers and consultants to deliberate various issues pertaining to the creation of sustainable developments in the field of artificial intelligence and Internet of Things The program provides an opportunity to the participants to understand the concepts involved in the indicators of advanced intelligent techniques as well as the characterization and modelling for the future sustainable industrial environment It is an ideal opportunity for planning experts to share ideas This conference intends to bring together the best of globally renowned research professionals This conference also aims at exploring the interface between the industry and real time environment with state of the art techniques

Crime Victims: An Introduction to Victimology

The series of Online World Conferences on Soft Computing (WSC) is organized by the World Federation of Soft Computing (WFSC) and has become an established annual event in the academic calendar and was already held for the 8th time in 2003. Starting as a small workshop held at Nagoya University, Japan in 1994 it has - tured to the premier online event on soft computing in industrial applications. It has been hosted by the universities of Granada, Spain, Fraunhofer Gesellschaft, Berlin, Cran?eld University, Helsinki University of Technology and Nagoya University. The goal of WFSC is to promote soft computing across the world, by using the internet as a forum for virtual technical discussion and publishing at no cost to authors and participants. The of?cial journal of the World Federation on Soft Computing is the journal Applied Soft Computing. The 8th WSC Conference (WSC8) took place from September 29th to October 10th, 2003. Registered participants had the opportunity to follow and discuss the online presentations of authors from all over the world. Out of more than 60 subm- sions the program committee had accepted 27 papers for ?nal presentation at WSC8.

Report of the Presidential Commission on the Space Shuttle Challenger Accident

th The 11 International Workshop on Knowledge Management and Acquisition for Smart Systems and Services (PKAW 2010) has provided a forum for the past two decades for researchers and practitioners working in the area of machine intelligence. PKAW covers a spectrum of techniques and approaches to implement smartness in IT applications. As evidenced in the papers in this volume, machine intelligence solutions incorporate many areas of AI such as ontological engineering, agent-based techn- ogy, robotics, image recognition and the Semantic Web as well as many other fields of computing such as software engineering, security, databases, the Internet, information retrieval, language technology and game technology. PKAW has evolved to embrace and foster advances in theory, practice and te- nology not only in knowledge acquisition and capture but all aspects of knowledge management including reuse, sharing, maintenance, transfer, merging, reconciliation, creation and dissemination. As many nations strive to be knowledge economies and organizations seek to maximize their knowledge assets and usage, solutions to handle the complex task of knowledge management are more important than ever. This v- ume contributes towards this goal. This volume seeks to disseminate the latest solutions from the International Wo- shop on Knowledge Management and Acquisition for Smart Systems and Services (PKAW 2010) held in Daegu, Korea during August 30–31, 2010 in conjunction with the Pacific Rim International Conference on Artificial Intelligence (PRICAI 2010).

Soft Computing: Methodologies and Applications

Using a friendly, nontechnical approach, the Second Edition of Regression Basics introduces readers to the fundamentals of regression. Accessible to anyone with an introductory statistics background, this book builds from a simple two-variable model to a model of greater complexity. Author Leo H. Kahane weaves four engaging examples throughout the text to

illustrate not only the techniques of regression but also how this empirical tool can be applied in creative ways to consider a broad array of topics. New to the Second Edition • Offers greater coverage of simple panel-data estimation: Because the availability of panel data has increased over the past decade, this new edition includes coverage of estimation with multiple cross-sections of data across time. • Provides an introductory discussion of omitted variables bias: As a problem that frequently arises, this issue is important for those new to regression analysis to understand. • Includes up-to-date advances: Chapter 7 is expanded to include recent developments in regression. • Uses a diverse selection of examples: Engaging examples illustrate the wide application of regression analysis from baseball salaries to presidential voting to British crime rates to U.S. abortion rates and more. • Includes more end-of-chapter problems: This edition offers new questions at the end of chapters that are based on the new examples woven through the book. • Illustrates examples using software programs: Appendix B now includes screenshots to further aid readers working with Microsoft Excel® and SPSS. Intended Audience This is an ideal core or supplemental text for advanced undergraduate and graduate courses such as Regression and Correlation, Sociological Research Methods, Quantitative Research Methods, and Statistical Methods in the fields of economics, public policy, political science, sociology, public affairs, urban planning, education, and geography.

SAS/INSIGHT 9.1

R is a language and environment for data analysis and graphics. It may be considered an implementation of S, an award-winning language initially - veloped at Bell Laboratories since the late 1970s. The R project was initiated by Robert Gentleman and Ross Ihaka at the University of Auckland, New Zealand, in the early 1990s, and has been developed by an international team since mid-1997. Historically, econometricians have favored other computing environments, some of which have fallen by the wayside, and also a variety of packages with canned routines. We believe that R has great potential in econometrics, both for research and for teaching. There are at least three reasons for this: (1) R is mostly platform independent and runs on Microsoft Windows, the Mac family of operating systems, and various ?avors of Unix/Linux, and also on some more exotic platforms. (2) R is free software that can be downloaded and installed at no cost from a family of mirror sites around the globe, the Comprehensive R Archive Network (CRAN); hence students can easily install it on their own machines. (3) R is open-source software, so that the full source code is available and can be inspected to understand what it really does, learn from it, and modify and extend it. We also like to think that platform independence and the open-source philosophy make R an ideal environment for reproducible econometric research.

Three Essays in Financial Markets. The Bright Side of Financial Derivatives: Options Trading and Firm Innovation

The continuous search for efficiency gains and the goal of attaining a sustainable competitive advantage have steadily

increased the volume of goods and services procured globally from third party vendors. In this context, named as "the next wave of globalization", the offshoring phenomenon has stimulated research and political debates. With the rise of services offshoring, international value chain disaggregation for services has reached a formerly unknown scale. Also, it is increasingly complex transactions, requiring a higher degree of qualification, which are becoming subject to offshoring as well. The Offshoring Challenge: Strategic Design and Innovation for Tomorrow's Organization features selected chapters by an international research community on the topic of offshoring. All potential business models from offshore outsourcing to third party providers are covered, from cooperative arrangements to internal organizational set-ups including captive offshore centers. Contributions have significant insights regarding: the increasing offshoring of knowledge-intensive services; the offshoring process; business models incorporating offshoring; the hidden costs of offshoring; and the administration of offshoring activities within firms The book is aimed at a broad audience of scholars, students and practitioners in the fields of strategy, international business and operations management.

Why Do Countries Peg the Way They Peg?The Determinants of Anchor Currency Choice

This volume includes contributions selected after a double blind review process and presented as a preliminary version at the 45th Meeting of the Italian Statistical Society. The papers provide significant and innovative original contributions and cover a broad range of topics including: statistical theory; methods for time series and spatial data; statistical modeling and data analysis; survey methodology and official statistics; analysis of social, demographic and health data; and economic statistics and econometrics.

Advances in Theoretical and Applied Statistics

The most complete, up to date guide to risk management in finance Risk Management and Financial Institutions explains all aspects of financial risk and financial institution regulation, helping readers better understand the financial markets and potential dangers. This new fourth edition has been updated to reflect the major developments in the industry, including the finalization of Basel III, the fundamental review of the trading book, SEFs, CCPs, and the new rules affecting derivatives markets. There are new chapters on enterprise risk management and scenario analysis. Readers learn the different types of risk, how and where they appear in different types of institutions, and how the regulatory structure of each institution affects risk management practices. Comprehensive ancillary materials include software, practice questions, and all necessary teaching supplements, facilitating more complete understanding and providing an ultimate learning resource. All financial professionals need a thorough background in risk and the interlacing connections between financial institutions to better understand the market, defend against systemic dangers, and perform their jobs. This book provides a complete picture of the risk management industry and practice, with the most up to date information. Understand how risk affects

different types of financial institutions Learn the different types of risk and how they are managed Study the most current regulatory issues that deal with risk Risk management is paramount with the dangers inherent in the financial system, and a deep understanding is essential for anyone working in the finance industry; today, risk management is part of everyone's job. For complete information and comprehensive coverage of the latest industry issues and practices, Risk Management and Financial Institutions is an informative, authoritative guide.

Patent Pledges

Participation of beneficiaries in the monitoring of public services is increasingly seen as a key to improving their efficiency. In India, the current government flagship program on universal primary education organizes both locally elected leaders and parents of children enrolled in public schools into committees and gives these groups powers over resource allocation, and monitoring and management of school performance. However, in a baseline survey we found that people were not aware of the existence of these committees and their potential for improving education. This paper evaluates three different interventions to encourage beneficiaries' participation through these committees: providing information, training community members in a new testing tool, and training and organizing volunteers to hold remedial reading camps for illiterate children. We find that these interventions had no impact on community involvement in public schools, and no impact on teacher effort or learning outcomes in those schools. However, we do find that the intervention that trained volunteers to teach children to read had a large impact on activity outside public schools -- local youths volunteered to be trained to teach, and children who attended these camps substantially improved their reading skills. These results suggest that citizens face substantial constraints in participating to improve the public education system, even when they care about education and are willing to do something to improve it.

COMPSTAT 2004 - Proceedings in Computational Statistics

Statistical computing provides the link between statistical theory and applied statistics. The content of the book covers all aspects of this link, from the development and implementation of new statistical ideas to user experiences and software evaluation. The proceedings should appeal to anyone working in statistics and using computers, whether in universities, industrial companies, government agencies, research institutes or as software developers

SAS for Mixed Models

This book presents the latest trends and approaches in artificial intelligence research and its application to intelligent systems. It discusses hybridization of algorithms, new trends in neural networks, optimisation algorithms and real-life issues

related to the application of artificial methods. The book constitutes the second volume of the refereed proceedings of the Artificial Intelligence and Algorithms in Intelligent Systems of the 7th Computer Science On-line Conference 2018 (CSOC 2018), held online in April 2018.

Pitfalls of Participatory Programs

A first in the field when initially published and now a true classic, CRIME VICTIMS: AN INTRODUCTION TO VICTIMOLOGY, Eighth Edition offers the most comprehensive and balanced exploration of victimology available today. The author examines the victims' plight, carefully placing statistics from the FBI's Uniform Crime Report and Bureau of Justice Statistics National Crime Victimization Survey in context. The text systematically investigates how victims are currently handled by the criminal justice system, analyzes the goals of the victims' rights movement, and discusses what the future is likely to hold. This Eighth edition expands coverage of human trafficking, crimes on campus, identity theft, stalking, motor vehicle theft, prison attacks, and similar high-profile issues. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

The Offshoring Challenge

International trade is the core foundation of globalisation. This current and up-to-date volume brings together the finest academics working in the field today, containing contributions in key areas of policy research, such as, modelling frameworks, trade policy, trade and migration, trade and the environment, trade and unemployment.

The Political Economy of Governance

This book is a tribute to Professor Pedro Gil, who created the Department of Statistics, OR and TM at the University of Oviedo, and a former President of the Spanish Society of Statistics and OR (SEIO). In more than eighty original contributions, it illustrates the extent to which Mathematics can help manage uncertainty, a factor that is inherent to real life. Today it goes without saying that, in order to model experiments and systems and to analyze related outcomes and data, it is necessary to consider formal ideas and develop scientific approaches and techniques for dealing with uncertainty. Mathematics is crucial in this endeavor, as this book demonstrates. As Professor Pedro Gil highlighted twenty years ago, there are several well-known mathematical branches for this purpose, including Mathematics of chance (Probability and Statistics), Mathematics of communication (Information Theory), and Mathematics of imprecision (Fuzzy Sets Theory and others). These branches often intertwine, since different sources of uncertainty can coexist, and they are not exhaustive. While most of the papers presented here address the three aforementioned fields, some hail from other Mathematical

disciplines such as Operations Research; others, in turn, put the spotlight on real-world studies and applications. The intended audience of this book is mainly statisticians, mathematicians and computer scientists, but practitioners in these areas will certainly also find the book a very interesting read.

2019 Fifth International Conference on Science Technology Engineering and Mathematics (ICONSTEM)

Reviews the circumstances surrounding the Challenger accident to establish the probable cause or causes of the accident. Develops recommendations for corrective or other action based upon the Commission1s findings and determinations. Color photos, charts and tables.

Innovation and Firm Performance

Rising competition in world and domestic markets for the past 2 decades has necessitated that U.S. companies undergo significant transformations to improve their performance with respect to a wide array of efficiency and quality indicators. Research on the transformations recently undertaken by some U.S. companies to boost performance revealed two distinct and coherent models of high-performance work systems: (1) a vision of "lean production" that relies more heavily on managerial and technical expertise and centralized coordination and decision making than conventional systems do; and (2) a U.S. version of "team production" that combines principles of Swedish sociotechnical systems with principles of quality engineering and that more thoroughly decentralizes management of work flow and decision making. Only a few organizations have yet achieved major transformations and performance improvements. Obstacles remain to be overcome: the continuing temptation of mass production, the ambiguous role of technology, high initial training costs, and managerial resistance to change. An interrelated set of public policies addressing the following issues must be developed: improving job training, increasing employee and union participation, increasing firms' commitments to stakeholders, building interfirm collaboration and quality standards, and ruling out the low-wage path. (Contains 107 references.) (MN)

Risk Management and Financial Institutions

What determines the currency to which countries peg or "anchor" their exchange rate? Data for over 100 countries between 1980 and 1998 reveal that trade network externalities are a key determinant. This implies that anchor currency choice may well be suboptimal in that certain currencies, e.g., the U.S. dollar, could be oversubscribed. It also implies that changes in anchor choices by a small number of countries can have large and rapid effects on the international monetary system. Other factors found to be related to anchor choice include the symmetry of output shocks and the currency denomination of

liabilities.

Applied Econometrics with R

Patent holders are increasingly making voluntary, public commitments to limit the enforcement and other exploitation of their patents. The best-known form of patent pledge is the so-called FRAND commitment, in which a patent holder commits to license patents to manufacturers of standardized products on terms that are "fair, reasonable and non-discriminatory." Patent pledges have also been appearing in fields well beyond technical standard-setting, including open source software, green technology and the biosciences. This book explores the motivations, legal characteristics and policy goals of these increasingly popular private ordering tools.

Compensation and Organizational Performance

Understanding the governance of nations is a key challenge in contemporaneous political economy. This book provides new advances and the latest research in the field of political economy, dealing with the study of institutions, governance, democracy and elections. The volume focuses on issues such as the role of institutions and political governance in society, the working of democracy and the electoral performance in several case studies. The chapters involve cutting edge research on many different countries, including the USA, Great Britain, Germany, Spain and the Third World. The authors of the chapters are leading scholars in political economy from America, Europe and Asia.

ROMANCE ACTION & ADVENTURE MYSTERY & THRILLER BIOGRAPHIES & HISTORY CHILDREN'S YOUNG ADULT FANTASY HISTORICAL FICTION HORROR LITERARY FICTION NON-FICTION SCIENCE FICTION