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A Primer in Econometric Theory

MIT Press A concise treatment of modern econometrics and statistics, including underlying ideas from linear algebra, probability theory, and computer programming. This book offers a cogent and concise treatment of econometric theory and methods along with the underlying ideas from statistics, probability theory, and linear algebra. It emphasizes foundations and general principles, but also features many solved exercises, worked examples, and code listings. After mastering the material presented, readers will be ready to take on more advanced work in different areas of quantitative economics and to understand papers from the econometrics literature. The book can be used in graduate-level courses on foundational aspects of econometrics or on fundamental statistical principles. It will also be a valuable reference for independent study. One distinctive aspect of the text is its integration of traditional topics from statistics and econometrics with modern ideas from data science and machine learning; readers will encounter ideas that are driving the current development of statistics and increasingly filtering into econometric methodology. The text treats programming not only as a way to work with data but also as a technique for building intuition via simulation. Many proofs are followed by a simulation that shows the theory in action. As a primer, the book offers readers an entry point into the field, allowing them to see econometrics as a whole rather than as a profusion of apparently unrelated ideas.

Economic Dynamics

Theory and Computation

MIT Press A rigorous and example-driven introduction to topics in economic dynamics, with an emphasis on mathematical and computational techniques for modeling dynamic systems. This text provides an introduction to the modern theory of economic dynamics, with emphasis on mathematical and computational techniques for modeling dynamic systems. Written to be both rigorous and engaging, the book shows how sound understanding of the underlying theory leads to effective algorithms for solving real world problems. The material makes extensive use of programming examples to illustrate ideas. These programs help bring to life the abstract concepts in the text. Background in computing and analysis is offered for readers without programming experience or upper-level mathematics. Topics covered in detail include nonlinear dynamic systems, finite-state Markov chains, stochastic dynamic programming, stochastic stability and computation of equilibria. The models are predominantly nonlinear, and the emphasis is on studying nonlinear systems in their original form, rather than by means of rudimentary approximation methods such as linearization. Much of the material is new to economics and improves on existing techniques. For graduate students and those already working in the field, Economic Dynamics will serve as an essential resource.

Economic Dynamics, second edition

Theory and Computation

MIT Press The second edition of a rigorous and example-driven introduction to topics in economic dynamics that emphasizes techniques for modeling dynamic systems. This text provides an introduction to the modern theory of economic dynamics, with emphasis on mathematical and computational techniques for modeling dynamic systems. Written to be both rigorous and engaging, the book shows how sound understanding of the underlying theory leads to effective algorithms for solving real-world problems. The material makes extensive use of programming examples to illustrate ideas, bringing to life the abstract concepts in the text. Key topics include algorithms and scientific computing, simulation, Markov models, and dynamic programming. Part I introduces fundamentals and part II covers more advanced material. This second edition has been thoroughly updated, drawing on recent research in the field. New for the second edition: "Programming-language agnostic" presentation using pseudocode. New chapter 1 covering conceptual issues concerning Markov chains such as ergodicity and stability. New focus in chapter 2 on algorithms and techniques for program design and high-performance computing. New focus on household problems rather than optimal growth in material on dynamic programming. Solutions to many exercises, code, and other resources available on a supplementary website.

A Guide to Econometrics

John Wiley & Sons This is the perfect (and essential) supplement for all econometrics classes--from a rigorous first undergraduate course, to a first master's, to a PhD course. Explains what is going on in textbooks full of proofs and formulas Offers intuition, skepticism, insights, humor, and practical advice (dos and don'ts) Contains new chapters that cover instrumental variables and computational considerations Includes additional information on GMM, nonparametrics, and an introduction to wavelets

Big Ideas in Macroeconomics

A Nontechnical View

MIT Press An accessible description of modern macroeconomics, and a defense of its policy relevance. Macroeconomists have been caricatured either as credulous savants in love with the beauty of their mathematical models or as free-market fundamentalists who admit no doubt as to the market's wisdom. In this book, Kartik Athreya draws a truer picture, offering a nontechnical description of prominent ideas and models in macroeconomics, and arguing for their value as interpretive tools as well as their policy relevance. Athreya deliberately leaves out the technical machinery, providing an essential guide to the sometimes abstract ideas that drive macroeconomists' research and practical policy advice. Athreya describes the main approach to macroeconomic model construction, the foundational Walrasian general-equilibrium framework, and its modern version, the Arrow-Debreu-McKenzie (ADM) model. In the heart of the book, Athreya shows how the Walrasian approach shapes and unifies much of modern macroeconomics. He details models central to ongoing macroeconomic analyses: the neoclassical and stochastic growth models, the standard incomplete-markets model, the overlapping-generations model, and the standard search model. Athreya's accessible primer traces the links between the views and policy advice of modern macroeconomists and their shared theoretical approach.

Dynamic Econometrics For Empirical Macroeconomic Modelling

[World Scientific](#) For Masters and PhD students in Economics In this textbook, the duality between the equilibrium concept used in dynamic economic theory and the stationarity of economic variables is explained and used in the presentation of single equations models and system of equations such as VARs, recursive models and simultaneous equations models. The book also contains chapters on: exogeneity, in the context of estimation, policy analysis and forecasting; automatic (computer based) variable selection, and how it can aid in the specification of an empirical macroeconomic model; and finally, on a common framework for model-based economic forecasting. Supplementary materials and notes are available on the publisher's website.

Labor Economics, second edition

[MIT Press](#) The new edition of a widely used, comprehensive graduate-level text and professional reference covering all aspects of labor economics, with substantial new material. This landmark graduate-level text combines depth and breadth of coverage with recent, cutting-edge work in all the major areas of modern labor economics. Its command of the literature and its coverage of the latest theoretical, methodological, and empirical developments make it also a valuable resource for practicing labor economists. This second edition has been substantially updated and augmented. It incorporates examples drawn from many countries, and it presents empirical methods using contributions that have proved to be milestones in labor economics. The data and codes of these research publications, as well as numerous tables and figures describing the functioning of labor markets, are all available on a dedicated website (www.labor-economics.org), along with slides that can be used as course aids and a discussion forum. This edition devotes more space to the analysis of public policy and the levers available to policy makers, with new chapters on such topics as discrimination, globalization, income redistribution, employment protection, and the minimum wage or labor market programs for the unemployed. Theories are explained on the basis of the simplest possible models, which are in turn related to empirical results. Mathematical appendixes provide a toolkit for understanding the models.

Understanding Economic Forecasts

[MIT Press](#) How to interpret and evaluate economic forecasts and the uncertainties inherent in them.

The Handbook of Organizational Economics

[Princeton University Press](#) In even the most market-oriented economies, most economic transactions occur not in markets but inside managed organizations, particularly business firms. Organizational economics seeks to understand the nature and workings of such organizations and their impact on economic performance. This landmark book assembles the leading figures in organizational economics to present the first comprehensive view of both the current state of research in this fast-emerging field and where it might be headed. The Handbook of Organizational Economics surveys the major theories, evidence, and methods used in the field. It displays the breadth of topics in organizational economics, including the roles of individuals and groups in organizations, organizational structures and processes, the boundaries of the firm, contracts between and within firms, and more. The defining book on the subject, The Handbook of Organizational Economics is essential reading for researchers and students looking to understand this emerging field in economics. Presents the first comprehensive treatment of organizational economics Features contributions by leaders in the field Unifies and extends existing literatures Describes theoretical and empirical methods used today

An Introduction to International Macroeconomics

A Primer on Theory, Policy and Applications

[Bloomsbury Publishing](#) The main purpose of this book is to show the relevance of international macroeconomics to understanding the world economy. It provides a succinct summary of open economy macroeconomics from a theoretical perspective and analyzes policy covering the balance of payments, exchange rates, capital flows and the co-ordination of macroeconomic policy.

Elements of Causal Inference

Foundations and Learning Algorithms

[MIT Press](#) A concise and self-contained introduction to causal inference, increasingly important in data science and machine learning. The mathematization of causality is a relatively recent development, and has become increasingly important in data science and machine learning. This book offers a self-contained and concise introduction to causal models and how to learn them from data. After explaining the need for causal models and discussing some of the principles underlying causal inference, the book teaches readers how to use causal models: how to compute intervention distributions, how to infer causal models from observational and interventional data, and how causal ideas could be exploited for classical machine learning problems. All of these topics are discussed first in terms of two variables and then in the more general multivariate case. The bivariate case turns out to be a particularly hard problem for causal learning because there are no conditional independences as used by classical methods for solving multivariate cases. The authors consider analyzing statistical asymmetries between cause and effect to be highly instructive, and they report on their decade of intensive research into this problem. The book is accessible to readers with a background in machine learning or statistics, and can be used in graduate courses or as a reference for researchers. The text includes code snippets that can be copied and pasted, exercises, and an appendix with a summary of the most important technical concepts.

Coevolution in Economic Systems

[Cambridge University Press](#) Coevolution in economic systems plays a key role in the dynamics of contemporary societies. Coevolution operates when, considering several evolving realms within a socio-economic system, these realms mutually shape their respective innovation, replication and/or selection processes. The processes which emerge from coevolution should be analyzed as being globally codetermined in dynamic terms. The notion of coevolution has been appearing in the literature on modern innovation economics since the neo-Schumpeterian inception, four decades ago. In this Element, these antecedents are drawn upon to formally clarify and develop how the coevolution notion can expand the analytical and methodological scope of evolutionary economics, allowing for further unification and advance of evolutionary subfields.

Macroeconomic Essentials

Understanding Economics in the News

[MIT Press](#) This book offers a clear exposition of introductory macroeconomic theory along with more than 600 one- or two-sentence "news clips" that serve as illustrations and exercises.

Cyberpolitics in International Relations

[MIT Press](#) *An examination of the ways cyberspace is changing both the theory and the practice of international relations.*

Linear Regression

A Mathematical Introduction

[SAGE Publications](#) *Damodar N. Gujarati's Linear Regression: A Mathematical Introduction presents linear regression theory in a rigorous, but approachable manner that is accessible to students in all social sciences. This concise title goes step-by-step through the intricacies, and theory and practice of regression analysis. The technical discussion is provided in a clear style that doesn't overwhelm the reader with abstract mathematics. End-of-chapter exercises test mastery of the content and advanced discussion of some of the topics is offered in the appendices. Data sets accompanying this book are available for download: Chapter 4 Data: Wages for Workers Chapter 6 Data: Earnings and Educational Attainment Definitions of Variables: Chapter 4 and Chapter 6 Data*

Recursive Macroeconomic Theory, fourth edition

[MIT Press](#) *The substantially revised fourth edition of a widely used text, offering both an introduction to recursive methods and advanced material, mixing tools and sample applications. Recursive methods provide powerful ways to pose and solve problems in dynamic macroeconomics. Recursive Macroeconomic Theory offers both an introduction to recursive methods and more advanced material. Only practice in solving diverse problems fully conveys the advantages of the recursive approach, so the book provides many applications. This fourth edition features two new chapters and substantial revisions to other chapters that demonstrate the power of recursive methods. One new chapter applies the recursive approach to Ramsey taxation and sharply characterizes the time inconsistency of optimal policies. These insights are used in other chapters to simplify recursive formulations of Ramsey plans and credible government policies. The second new chapter explores the mechanics of matching models and identifies a common channel through which productivity shocks are magnified across a variety of matching models. Other chapters have been extended and refined. For example, there is new material on heterogeneous beliefs in both complete and incomplete markets models; and there is a deeper account of forces that shape aggregate labor supply elasticities in lifecycle models. The book is suitable for first- and second-year graduate courses in macroeconomics. Most chapters conclude with exercises; many exercises and examples use Matlab or Python computer programming languages.*

Panel Data Econometrics

Theory

[Academic Press](#) *Panel Data Econometrics: Theory introduces econometric modelling. Written by experts from diverse disciplines, the volume uses longitudinal datasets to illuminate applications for a variety of fields, such as banking, financial markets, tourism and transportation, auctions, and experimental economics. Contributors emphasize techniques and applications, and they accompany their explanations with case studies, empirical exercises and supplementary code in R. They also address panel data analysis in the context of productivity and efficiency analysis, where some of the most interesting applications and advancements have recently been made. Provides a vast array of empirical applications useful to practitioners from different application environments Accompanied by extensive case studies and empirical exercises Includes empirical chapters accompanied by supplementary code in R, helping researchers replicate findings Represents an accessible resource for diverse industries, including health, transportation, tourism, economic growth, and banking, where researchers are not always econometrics experts*

Microeconometrics

Methods and Applications

[Cambridge University Press](#) *This book provides the most comprehensive treatment to date of microeconometrics, the analysis of individual-level data on the economic behavior of individuals or firms using regression methods for cross section and panel data. The book is oriented to the practitioner. A basic understanding of the linear regression model with matrix algebra is assumed. The text can be used for a microeconometrics course, typically a second-year economics PhD course; for data-oriented applied microeconometrics field courses; and as a reference work for graduate students and applied researchers who wish to fill in gaps in their toolkit. Distinguishing features of the book include emphasis on nonlinear models and robust inference, simulation-based estimation, and problems of complex survey data. The book makes frequent use of numerical examples based on generated data to illustrate the key models and methods. More substantially, it systematically integrates into the text empirical illustrations based on seven large and exceptionally rich data sets.*

Big Data Analytics for Internet of Things

[John Wiley & Sons](#) *BIG DATA ANALYTICS FOR INTERNET OF THINGS Discover the latest developments in IoT Big Data with a new resource from established and emerging leaders in the field Big Data Analytics for Internet of Things delivers a comprehensive overview of all aspects of big data analytics in Internet of Things (IoT) systems. The book includes discussions of the enabling technologies of IoT data analytics, types of IoT data analytics, challenges in IoT data analytics, demand for IoT data analytics, computing platforms, analytical tools, privacy, and security. The distinguished editors have included resources that address key techniques in the analysis of IoT data. The book demonstrates how to select the appropriate techniques to unearth valuable insights from IoT data and offers novel designs for IoT systems. With an abiding focus on practical strategies with concrete applications for data analysts and IoT professionals, Big Data Analytics for Internet of Things also offers readers: A thorough introduction to the Internet of Things, including IoT architectures, enabling technologies, and applications An exploration of the intersection between the Internet of Things and Big Data, including IoT as a source of Big Data, the unique characteristics of IoT data, etc. A discussion of the IoT data analytics, including the data analytical requirements of IoT data and the types of IoT analytics, including predictive, descriptive, and prescriptive analytics A treatment of machine learning techniques for IoT data analytics Perfect for professionals, industry practitioners, and researchers engaged in big data analytics related to IoT systems, Big Data Analytics for Internet of Things will also earn a place in the libraries of IoT designers and manufacturers interested in facilitating the efficient implementation of data analytics strategies.*

Strategy and Choice

[MIT Press](#) *These essays by contributors from disciplines ranging from economics to psychology present the most significant advances in strategic choice theory. In three parts the book addresses many-player, few-player and one-player situations.*

FUNDAMENTAL MODELS IN FINANCIAL THEORY

Web PR Is US This book provides an innovative, integrated, and methodical approach to understanding complex financial models, integrating topics usually presented separately into a comprehensive whole. The book brings together financial models and high-level mathematics, reviewing the mathematical background necessary for understanding these models organically and in context. It begins with underlying assumptions and progresses logically through increasingly complex models to operative conclusions. Readers who have mastered the material will gain the tools needed to put theory into practice and incorporate financial models into real-life investment, financial, and business scenarios. Modern finance's most bothersome shortcoming is that the two basic models for building an optimal investment portfolio, Markowitz's mean-variance model and Sharpe and Treynor's Capital Asset Pricing Model (CAPM), fall short when we try to apply them using Excel Solver. This book explores these two models in detail, and for the first time in a textbook the Black-Litterman model for building an optimal portfolio constructed from a small number of assets (developed at Goldman Sachs) is thoroughly presented. The model's integration of personal views and its application using Excel templates are demonstrated. The book also offers innovative presentations of the Modigliani-Miller model and the Consumption-Based Capital Asset Pricing Model (CCAPM). Problems at the end of each chapter invite the reader to put the models into immediate use. *Fundamental Models in Financial Theory* is suitable for classroom use or as a reference for finance practitioners.

Causal Inference in Statistics

A Primer

John Wiley & Sons Many of the concepts and terminology surrounding modern causal inference can be quite intimidating to the novice. Judea Pearl presents a book ideal for beginners in statistics, providing a comprehensive introduction to the field of causality. Examples from classical statistics are presented throughout to demonstrate the need for causality in resolving decision-making dilemmas posed by data. Causal methods are also compared to traditional statistical methods, whilst questions are provided at the end of each section to aid student learning.

Artificial Cognitive Systems

A Primer

MIT Press A concise introduction to a complex field, bringing together recent work in cognitive science and cognitive robotics to offer a solid grounding on key issues. This book offers a concise and accessible introduction to the emerging field of artificial cognitive systems. Cognition, both natural and artificial, is about anticipating the need for action and developing the capacity to predict the outcome of those actions. Drawing on artificial intelligence, developmental psychology, and cognitive neuroscience, the field of artificial cognitive systems has as its ultimate goal the creation of computer-based systems that can interact with humans and serve society in a variety of ways. This primer brings together recent work in cognitive science and cognitive robotics to offer readers a solid grounding on key issues. The book first develops a working definition of cognitive systems—broad enough to encompass multiple views of the subject and deep enough to help in the formulation of theories and models. It surveys the cognitivist, emergent, and hybrid paradigms of cognitive science and discusses cognitive architectures derived from them. It then turns to the key issues, with chapters devoted to autonomy, embodiment, learning and development, memory and prospection, knowledge and representation, and social cognition. Ideas are introduced in an intuitive, natural order, with an emphasis on the relationships among ideas and building to an overview of the field. The main text is straightforward and succinct; sidenotes drill deeper on specific topics and provide contextual links to further reading.

Inflation, Unemployment, and Monetary Policy

MIT Press Edited and with an introduction by Benjamin M. Friedman The connection between price inflation and real economic activity has been a focus of macroeconomic research--and debate--for much of the past century. Although this connection is crucial to our understanding of what monetary policy can and cannot accomplish, opinions about its basic properties have swung widely over the years. Today, virtually everyone studying monetary policy acknowledges that, contrary to what many modern macroeconomic models suggest, central bank actions often affect both inflation and measures of real economic activity, such as output, unemployment, and incomes. But the nature and magnitude of these effects are not yet understood. In this volume, Robert M. Solow and John B. Taylor present their views on the dilemmas facing U.S. monetary policymakers. The discussants are Benjamin M. Friedman, James K. Galbraith, N. Gregory Mankiw, and William Poole. The aim of this lively exchange of views is to make both an intellectual contribution to macroeconomics and a practical contribution to the solution of a public policy question of central importance.

The Economics of Contracts

A Primer

MIT Press A concise introduction to the theory of contracts, emphasizing basic tools that allow the reader to understand the main theoretical models; revised and updated throughout for this edition.

The Refinement of Econometric Estimation and Test Procedures

Finite Sample and Asymptotic Analysis

Cambridge University Press This book was first published in 2007. The small sample properties of estimators and tests are frequently too complex to be useful or are unknown. Much econometric theory is therefore developed for very large or asymptotic samples where it is assumed that the behaviour of estimators and tests will adequately represent their properties in small samples. Refined asymptotic methods adopt an intermediate position by providing improved approximations to small sample behaviour using asymptotic expansions. Dedicated to the memory of Michael Magdalinos, whose work is a major contribution to this area, this book contains chapters directly concerned with refined asymptotic methods. In addition, there are chapters focusing on new asymptotic results; the exploration through simulation of the small sample behaviour of estimators and tests in panel data models; and improvements in methodology. With contributions from leading econometricians, this collection will be essential reading for researchers and graduate students concerned with the use of asymptotic methods in econometric analysis.

Minimum Wages

MIT Press A comprehensive review of evidence on the effect of minimum wages on employment, skills, wage and income distributions, and longer-term labor market outcomes concludes that the minimum wage is not a good policy tool.

Dynamic Economics

Quantitative Methods and Applications

MIT Press An integrated approach to the empirical application of dynamic optimization programming models, for students and researchers. This book is an effective, concise text for students and researchers that combines the tools of dynamic programming with numerical techniques and simulation-based econometric methods. Doing so, it bridges the traditional gap between theoretical and empirical research and offers an integrated framework for studying applied problems in macroeconomics and microeconomics. In part I the authors first review the formal theory of dynamic optimization; they then present the numerical tools and econometric techniques necessary to evaluate the theoretical models. In language accessible to a reader with a limited background in econometrics, they explain most of the methods used in applied dynamic research today, from the estimation of probability in a coin flip to a complicated nonlinear stochastic structural model. These econometric techniques provide the final link between the dynamic programming problem and data. Part II is devoted to the application of dynamic programming to specific areas of applied economics, including the study of business cycles, consumption, and investment behavior. In each instance the authors present the specific optimization problem as a dynamic programming problem, characterize the optimal policy functions, estimate the parameters, and use models for policy evaluation. The original contribution of *Dynamic Economics: Quantitative Methods and Applications* lies in the integrated approach to the empirical application of dynamic optimization programming models. This integration shows that empirical applications actually complement the underlying theory of optimization, while dynamic programming problems provide needed structure for estimation and policy evaluation.

Advances in Economics and Econometrics: Theory and Applications

Seventh World Congress

Cambridge University Press This book is the third of three volumes containing papers presented at the Seventh World Congress of the Econometric Society. The papers summarize and interpret key recent developments and discuss current and future directions in a wide range of topics in economics and econometrics. They cover both theory and applications. Authored by leading specialists in their fields these volumes provide a unique survey of progress in the discipline.

Contract Theory

MIT Press A comprehensive introduction to contract theory, emphasizing common themes and methodologies as well as applications in key areas. Despite the vast research literature on topics relating to contract theory, only a few of the field's core ideas are covered in microeconomics textbooks. This long-awaited book fills the need for a comprehensive textbook on contract theory suitable for use at the graduate and advanced undergraduate levels. It covers the areas of agency theory, information economics, and organization theory, highlighting common themes and methodologies and presenting the main ideas in an accessible way. It also presents many applications in all areas of economics, especially labor economics, industrial organization, and corporate finance. The book emphasizes applications rather than general theorems while providing self-contained, intuitive treatment of the simple models analyzed. In this way, it can also serve as a reference for researchers interested in building contract-theoretic models in applied contexts. The book covers all the major topics in contract theory taught in most graduate courses. It begins by discussing such basic ideas in incentive and information theory as screening, signaling, and moral hazard. Subsequent sections treat multilateral contracting with private information or hidden actions, covering auction theory, bilateral trade under private information, and the theory of the internal organization of firms; long-term contracts with private information or hidden actions; and incomplete contracts, the theory of ownership and control, and contracting with externalities. Each chapter ends with a guide to the relevant literature. Exercises appear in a separate chapter at the end of the book.

Palgrave Handbook of Econometrics

Volume 2: Applied Econometrics

Springer Following the seminal Palgrave Handbook of Econometrics: Volume 1, this second volume brings together the finest academics working in econometrics today and explores applied econometrics, containing contributions on subjects including growth/development econometrics and applied econometrics and computing.

The Econometrics of Panel Data

Fundamentals and Recent Developments in Theory and Practice

Springer Science & Business Media This restructured, updated Third Edition provides a general overview of the econometrics of panel data, from both theoretical and applied viewpoints. Readers discover how econometric tools are used to study organizational and household behaviors as well as other macroeconomic phenomena such as economic growth. The book contains sixteen entirely new chapters; all other chapters have been revised to account for recent developments. With contributions from well known specialists in the field, this handbook is a standard reference for all those involved in the use of panel data in econometrics.

Nonparametric Econometrics

A Primer

Now Publishers Inc Nonparametric Econometrics is a primer for those who wish to familiarize themselves with nonparametric econometrics. While the underlying theory for many of these methods can be daunting for practitioners, this monograph presents a range of nonparametric methods that can be deployed in a fairly straightforward manner. Nonparametric methods are statistical techniques that do not require a researcher to specify functional forms for objects being estimated. The methods surveyed are known as kernel methods, which are becoming increasingly popular for applied data analysis. The appeal of nonparametric methods stems from the fact that they relax the parametric assumptions imposed on the data generating process and let the data determine an appropriate model. Nonparametric Econometrics focuses on a set of touchstone topics while making liberal use of examples for illustrative purposes. The author provides settings in which the user may wish to model a dataset comprised of continuous, discrete, or categorical data (nominal or ordinal), or any combination thereof. Recent developments are considered, including some where the variables involved may in fact be irrelevant, which alters the behavior of the estimators and optimal bandwidths in a manner that deviates substantially from conventional approaches.

Handbook on Constructing Composite Indicators: Methodology and User Guide

[OECD Publishing](#) A guide for constructing and using composite indicators for policy makers, academics, the media and other interested parties. In particular, this handbook is concerned with indicators which compare and rank country performance.

Nonlinear Dynamics in Equilibrium Models

Chaos, Cycles and Indeterminacy

[Springer Science & Business Media](#) Optimal growth theory studies the problem of efficient resource allocation over time, a fundamental concern of economic research. Since the 1970s, the techniques of nonlinear dynamical systems have become a vital tool in optimal growth theory, illuminating dynamics and demonstrating the possibility of endogenous economic fluctuations. Kazuo Nishimura's seminal contributions on business cycles, chaotic equilibria and indeterminacy have been central to this development, transforming our understanding of economic growth, cycles, and the relationship between them. The subjects of Kazuo's analysis remain of fundamental importance to modern economic theory. This book collects his major contributions in a single volume. Kazuo Nishimura has been recognized for his contributions to economic theory on many occasions, being elected fellow of the Econometric Society and serving as an editor of several major journals. Chapter "Introduction" is available open access under a Creative Commons Attribution-NonCommercial-NoDerivatives 4.0 International License via link.springer.com.

The Public Policy Theory Primer

[Routledge](#) Public policy is a broad and interdisciplinary area of study and research in the field tends to reflect this. Yet for those teaching and studying public policy, the disjointed nature of the field can be confusing and cumbersome. This text provides a consistent and coherent framework for uniting the field of public policy. Authors Kevin B. Smith and Christopher W. Larimer offer an organized and comprehensive overview of the core questions and concepts, major theoretical frameworks, primary methodological approaches, and key controversies and debates in each subfield of policy studies from the policy process and policy analysis to program evaluation and policy implementation. The third edition has been updated throughout to include the latest scholarship and approaches in the field, including new and expanded coverage of behavioral economics, the narrative policy framework, Fourth Generation implementation studies, the policy regime approach, field experiments, and the debate of program versus policy implementation studies. Now with an appendix of sample comprehensive exam questions, The Public Policy Theory Primer remains an indispensable text for the systematic study of public policy.

The Economics of Taxation

[MIT Press](#) A concise and rigorous text that combines theory, empirical work, and policy discussion to present core issues in the economics of taxation. This concise introduction to the economic theories of taxation is intuitive yet rigorous, relating the theories both to existing tax systems and to key empirical studies. The Economics of Taxation offers a thorough discussion of the consequences of taxes on economic decisions and equilibrium outcomes, as well as useful insights into how policy makers should design taxes. It covers such issues of central policy importance as taxation of income from capital, environmental taxation, and tax credits for low-income families. This second edition has been significantly revised and updated. Changes include a substantially rewritten chapter on direct taxation; a discussion of recent research in the chapter on mixed taxation; the replacement of the chapter on capital taxation with a chapter on the "new dynamic public finance"; and considerations of environmental taxation in both theory and policy chapters. The book is aimed at graduate students or advanced undergraduates taking public finance classes as well as economists who want to learn more about the topic. It combines discussion of theory, empirical work, and policy objectives in compact form. Appendixes provide necessary background material on consumer and producer theory and the theory of optimal control.

Advances in Economic Theory: Volume 2

Sixth World Congress

[Cambridge University Press](#) This book gives the reader a unique survey of the most recent advances in economic theory.

Governing the Firm

Workers' Control in Theory and Practice

[Cambridge University Press](#) Table of contents

A Primer on Nonmarket Valuation

[Springer](#) This is a practical book with clear descriptions of the most commonly used nonmarket methods. The first chapters of the book provide the context and theoretical foundation of nonmarket valuation along with a discussion of data collection procedures. The middle chapters describe the major stated- and revealed-preference valuation methods. For each method, the steps involved in implementation are laid out and carefully explained with supporting references from the published literature. The final chapters of the book examine the relevance of experimentation to economic valuation, the transfer of existing nonmarket values to new settings, and assessments of the reliability and validity of nonmarket values. The book is relevant to individuals in many professions at all career levels. Professionals in government agencies, attorneys involved with natural resource damage assessments, graduate students, and others will appreciate the thorough descriptions of how to design, implement, and analyze a nonmarket valuation study.