LARS LJUNGQVIST

THOMAS J. SARGENT

recursive
macroeconomic theory

FOURTH EDITION

[EPUB] Recursive Macroeconomic Theory, Fourth Edition (The MIT Press)

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Recursive Macroeconomic Theory-Lars Ljungqvist 2018-08-17 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.

Recursive Macroeconomic Theory-Lars Ljungqvist 2012-08-31 A substantially revised new edition of a widely used text, offering both an introduction to recursive methods and advanced material. Recursive methods offer a powerful approach for characterizing and solving complicated problems in dynamic macroeconomics. Recursive Macroeconomic Theory provides both an introduction to recursive methods and advanced material, mixing tools and sample applications. Only experience in solving practical problems fully conveys the power of the recursive approach, and the book provides many applications. This third edition offers substantial new material, with three entirely new chapters and significant revisions to others. The new content reflects recent developments in the field, further illustrating the power and pervasiveness of recursive methods. New chapters cover asset pricing empirics with possible resolutions to puzzles; analysis of credible government policy that entails state variables other than reputation; and foundations of aggregate labor supply with time averaging replacing employment lotteries. Other new material includes a multi-country analysis of taxation in a growth model, elaborations of the fiscal theory of the price level, and age externalities in a matching model. The book is suitable for both first- and second-year graduate courses in macroeconomics and monetary economics. Most chapters conclude with exercises. Many exercises and examples use Matlab programs, which are cited in a special index at the end of the book.

Recursive Macroeconomic Theory-Lars Ljungqvist 2004 A significant new edition of a text that offers both tools and sample applications; extensive revisions and seven new chapters improve and expand upon the original treatment.

Macroeconomic Theory-Thomas J. Sargent 1979 Macroeconomic Theory, in its first edition, was widely adopted for use as a graduate text; this updated and expanded version should find even greater popularity as a text and as a research reference. It has been substantially revised to include three entirely new chapters: The Consumption Function, Government Debt and Taxes, and Dynamic Optimal Taxation. Significant additions have been made to three of the original chapters dealing with difference equations, stochastic difference equations, and investment under uncertainty.Key Features* This book has been substantially revised to include three entirely new chapters on consumption, government debt and taxes, and dynamic optimal taxation* Significant additions have been made to three of the original chapters dealing with difference equations, stochastic difference equations, and investment under uncertainty

Recursive Methods in Economic Dynamics-Nancy L. Stokey 1989-10-10 This rigorous but brilliantly lucid book presents a self-contained treatment of modern economic dynamics. Stokey, Lucas, and Prescott develop the basic methods of recursive analysis and illustrate the many areas where they can usefully be applied.

Dynamic Macroeconomic Theory-Thomas J. Sargent 2009-06 The tasks of macroeconomics are to interpret observations on economic aggregates in terms of the motivations and constraints of economic agents and to predict the consequences of alternative hypothetical ways of administering government economic policy. General equilibrium models form a convenient context for analyzing such alternative government policies. In the past ten years, the strengths of general equilibrium models and the corresponding deficiencies of Keynesian and monetarist models of the 1960s have induced macroeconomists to begin applying general equilibrium models. This book describes some general equilibrium models that are dynamic, that have been built to help interpret time-series

of observations of economic aggregates and to predict the consequences of alternative government interventions. The first part of the book describes dynamic programming, search theory, and real dynamic capital pricing models. Among the applications are stochastic optimal growth models, matching models, arbitrage pricing theories, and theories of interest rates, stock prices, and options. The remaining parts of the book are devoted to issues in monetary theory; currency-in-utility-function models, cash-in-advance models, Townsend turnpike models, and overlapping generations models are all used to study a set of common issues. By putting these models to work on concrete problems in exercises offered throughout the text, Sargent provides insights into the strengths and weaknesses of these models of money. An appendix on functional analysis shows the unity that underlies the mathematics used in disparate areas of rational expectations economics. This book on dynamic equilibrium macroeconomics is suitable for graduate-level courses; a companion book, Exercises in Dynamic Macroeconomic Theory, provides answers to the exercises and is also available from Harvard University Press.

Advanced Macroeconomics-David Romer 2018-02-19 The fifth edition of Romer's Advanced Macroeconomics continues its tradition as the standard text and the starting point for graduate macroeconomics courses and helps lay the groundwork for students to begin doing research in macroeconomics and monetary economics. Romer presents the major theories concerning the central questions of macroeconomics. The theoretical analysis is supplemented by examples of relevant empirical work, illustrating the ways that theories can be applied and tested. In areas ranging from economic growth and short-run fluctuations to the natural rate of unemployment and monetary policy, formal models are used to present and analyze key ideas and issues. The book has been extensively revised to incorporate important new topics and new research, eliminate inessential material, and further improve the presentation.

Exercises in Dynamic Macroeconomic Theory-Rodolfo E. Manuelli 2009-06 This book is a companion volume to Dynamic Macroeconomic Theory by Thomas J. Sargent. It provides scrimmages in dynamic macroeconomic theory-- precisely the kind of drills that people will need

in order to learn the techniques of dynamic programming and its applications to economics. By doing these exercises, the reader can acquire the ability to put the theory to work in a variety of new situations, build technical skill, gain experience in fruitful ways of setting up problems, and learn to distinguish cases in which problems are well posed from cases in which they are not. The basic framework provided by variants of a dynamic general equilibrium model is used to analyze problems in macroeconomics and monetary economics. An equilibrium model provides a mapping from parameters of preferences, technologies, endowments, and rules of the game to a probability model for time series. The rigor of the logical connections between theory and observations that the mapping provides is an attractive feature of dynamic equilibrium, or rational expectations, models. This book gives repeated and varied practice in constructing and interpreting this mapping.

Solutions Manual for Recursive Methods in Economic Dynamics-Claudio IRIGOYEN 2009-06-30 This solutions manual is a companion volume to the classic textbook Recursive Methods in Economic Dynamics by Nancy L. Stokey and Robert E. Lucas. Efficient and lucid in approach, this manual will greatly enhance the value of Recursive Methods as a text for self-study.

Monetary Policy, Inflation, and the Business Cycle-Jordi Galí 2015-06-09 This revised second edition of Monetary Policy, Inflation, and the Business Cycle provides a rigorous graduate-level introduction to the New Keynesian framework and its applications to monetary policy. The New Keynesian framework is the workhorse for the analysis of monetary policy and its implications for inflation, economic fluctuations, and welfare. A backbone of the new generation of medium-scale models under development at major central banks and international policy institutions, the framework provides the theoretical underpinnings for the price stability–oriented strategies adopted by most central banks in the industrialized world. Using a canonical version of the New Keynesian model as a reference, Jordi Galí explores various issues pertaining to monetary policy's design, including optimal monetary policy and the desirability of simple policy rules. He analyzes

several extensions of the baseline model, allowing for cost-push shocks, nominal wage rigidities, and open economy factors. In each case, the effects on monetary policy are addressed, with emphasis on the desirability of inflation-targeting policies. New material includes the zero lower bound on nominal interest rates and an analysis of unemployment's significance for monetary policy. The most up-to-date introduction to the New Keynesian framework available A single benchmark model used throughout New materials and exercises included An ideal resource for graduate students, researchers, and market analysts

Macroeconomic Theory-Michael Wickens 2012-03-12 Suitable for students and researchers seeking coverage of the developments in macroeconomics, this title lays out the core ideas of modern macroeconomics and its links with finance. It presents the simplest general equilibrium macroeconomic model for a closed economy, and then gradually develops a comprehensive model of the open economy.

Dynamic Macroeconomics-George Alogoskoufis 2019-12-17 An advanced treatment of modern macroeconomics, presented through a sequence of dynamic equilibrium models, with discussion of the implications for monetary and fiscal policy. This textbook offers an advanced treatment of modern macroeconomics, presented through a sequence of dynamic general equilibrium models based on intertemporal optimization on the part of economic agents. The book treats macroeconomics as applied and policy-oriented general equilibrium analysis, examining a number of models, each of which is suitable for investigating specific issues but may be unsuitable for others. After presenting a brief survey of the evolution of macroeconomics and the key facts about long-run economic growth and aggregate fluctuations, the book introduces the main elements of the intertemporal approach through a series of two-period competitive general equilibrium models—the simplest possible intertemporal models. This sets the stage for the remainder of the book, which presents models of economic growth, aggregate fluctuations, and monetary and fiscal policy. The text focuses on a full analysis of a limited number of key intertemporal models, which are stripped down to essentials so that students can focus on the dynamic properties of the models. Exercises

encourage students to try their hands at solving versions of the dynamic models that define modern macroeconomics. Appendixes review the main mathematical techniques needed to analyze optimizing dynamic macroeconomic models. The book is suitable for advanced undergraduate and graduate students who have some knowledge of economic theory and mathematics for economists.

Lectures on Macroeconomics-Class of 1941 Professor of Economics Olivier Blanchard 1989 The main purpose of Lectures on Macroeconomics is to characterize and explain fluctuations in output, unemployment and movement in prices. Lectures on Macroeconomics provides the first comprehensive description and evaluation of macroeconomic theory in many years. While the authors' perspective is broad, they clearly state their assessment of what is important and what is not as they present the essence of macroeconomic theory today.The main purpose of Lectures on Macroeconomics is to characterize and explain fluctuations in output, unemployment and movement in prices. The most important fact of modern economic history is persistent long term growth, but as the book makes clear, this growth is far from steady. The authors analyze and explore these fluctuations. Topics include consumption and investment; the Overlapping Generations Model; money; multiple equilibria, bubbles, and stability; the role of nominal rigidities; competitive equilibrium business cycles, nominal rigidities and economic fluctuations, goods, labor and credit markets; and monetary and fiscal policy issues. Each of chapters 2 through 9 discusses models appropriate to the topic. Chapter 10 then draws on the previous chapters, asks which models are the workhorses of macroeconomics, and sets the models out in convenient form. A concluding chapter analyzes the goals of economic policy, monetary policy, fiscal policy, and dynamic inconsistency. Written as a text for graduate students with some background in macroeconomics, statistics, and econometrics, Lectures on Macroeconomics also presents topics in a self contained way that makes it a suitable reference for professional economists.

Economic Dynamics-John Stachurski 2009 "Topics covered in detail include nonlinear dynamic systems, finite state Markov chains,

stochastic dynamic programming, and 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."--Pub. desc.

Dynamic Economics-Jérôme Adda 2003 Combines tools of dynamic programming with numerical techniques and simulation-based econometric methods.

An Introduction to Mathematical Analysis for Economic Theory and Econometrics-Dean Corbae 2009-02-17 Providing an introduction to mathematical analysis as it applies to economic theory and econometrics, this book bridges the gap that has separated the teaching of basic mathematics for economics and the increasingly advanced mathematics demanded in economics research today. Dean Corbae, Maxwell B. Stinchcombe, and Juraj Zeman equip students with the knowledge of real and functional analysis and measure theory they need to read and do research in economic and econometric theory. Unlike other mathematics textbooks for economics, An Introduction to Mathematical Analysis for Economic Theory and Econometrics takes a unified approach to understanding basic and advanced spaces through the application of the Metric Completion Theorem. This is the concept by which, for example, the real numbers complete the rational numbers and measure spaces complete fields of measurable sets. Another of the book's unique features is its concentration on the mathematical foundations of econometrics. To illustrate difficult concepts, the authors use simple examples drawn from economic theory and econometrics. Accessible and rigorous, the book is self-contained, providing proofs of theorems and assuming only an undergraduate background in calculus and linear algebra. Begins with mathematical analysis and economic examples accessible to advanced undergraduates in order to build intuition for more complex analysis used by graduate students and researchers Takes a unified approach to understanding basic and advanced spaces of numbers through application of the Metric Completion Theorem Focuses on examples from econometrics to explain topics in measure theory

Thinking in Java-Bruce Eckel 2003 An overview of the programming language's fundamentals covers syntax, initialization, implementation, classes, error handling, objects, applets, multiple threads, projects, and network programming.

Managing Projects with GNU Make-Robert Mecklenburg 2004-11-19 This updated reference offers a clear description of make, a central engine in many programming projects that simplifies the process of re-linking a program after re-compiling source files. Original. (Intermediate)

Palau-Luis Palau 2019-06-04 One of the world's most influential religious leaders, Luis Palau, shares his legacy message and spiritual memoir for the first time. Tracing his faith journey from humble beginnings on the streets of Buenos Aires, Argentina, to sharing the good news with millions and counseling world leaders, Luis' life is filled with adventure, risk, and faith. A very personal book with never-before-told stories and a 16-page photo insert, Luis recounts losing his father at an early age and caring for his five siblings and his mother. He shares how as a teenager, he heard Billy Graham speak and decided to follow in his steps. How he was brought to the United States by a faith-filled pastor named Ray Stedman from Palo Alto, California. How he came to find friendship and support from Mr. Graham later in life. And how the Lord Himself has blessed, challenged, and guided Luis and his team into some of the most exciting evangelistic campaigns the world has ever seen. With each chapter, Luis shares a foundational lesson that influenced his life and will inspire and challenge your faith. Learn about his mother's indomitable trust in God. Ponder what it means to live fully surrendered to Christ like Luis' beloved wife, Pat. And when you hear of the quiet heroes who touched and saved Luis' family, you'll discover his life message: that the gospel of Jesus is good news shared by humble, even unseen, servants of God. Palau: A Life on Fire is a deeply spiritual and intimate interview with a man who knows life is drawing to an end, but is only seeing the light grow. This collection of guiding principles from one of the most respected evangelists of our day will spark in you a fiery faith to live out the good news of Jesus Christ.

Open Economy Macroeconomics-Martín Uribe 2017-04-04 A cutting-edge graduate-level textbook on the macroeconomics of international trade Combining theoretical models and data in ways unimaginable just a few years ago, open economy macroeconomics has experienced enormous growth over the past several decades. This rigorous and self-contained textbook brings graduate students, scholars, and policymakers to the research frontier and provides the tools and context necessary for new research and policy proposals. Martín Uribe and Stephanie Schmitt-Grohé factor in the discipline's latest developments, including major theoretical advances in incorporating financial and nominal frictions into microfounded dynamic models of the open economy, the availability of macro- and microdata for emerging and developed countries, and a revolution in the tools available to simulate and estimate dynamic stochastic models. The authors begin with a canonical general equilibrium model of an open economy and then build levels of complexity through the coverage of important topics such as international business-cycle analysis, financial frictions as drivers and transmitters of business cycles and global crises, sovereign default, pecuniary externalities, involuntary unemployment, optimal macroprudential policy, and the role of nominal rigidities in shaping optimal exchange-rate policy. Based on courses taught at several universities, Open Economy Macroeconomics is an essential resource for students, researchers, and practitioners. Detailed exploration of international business-cycle analysis Coverage of financial frictions as drivers and transmitters of business cycles and global crises Extensive investigation of nominal rigidities and their role in shaping optimal exchange-rate policy Other topics include fixed exchange-rate regimes, involuntary unemployment, optimal macroprudential policy, and sovereign default and debt sustainability Chapters include exercises and replication codes

Economic Dynamics in Discrete Time-Jianjun Miao 2014-09-19 A unified, comprehensive, and up-to-date introduction to the analytical and numerical tools for solving dynamic economic problems. This book offers a unified, comprehensive, and up-to-date treatment of analytical and numerical tools for solving dynamic economic problems. The focus is on introducing recursive methods—an important

part of every economist's set of tools—and readers will learn to apply recursive methods to a variety of dynamic economic problems. The book is notable for its combination of theoretical foundations and numerical methods. Each topic is first described in theoretical terms, with explicit definitions and rigorous proofs; numerical methods and computer codes to implement these methods follow. Drawing on the latest research, the book covers such cutting-edge topics as asset price bubbles, recursive utility, robust control, policy analysis in dynamic New Keynesian models with the zero lower bound on interest rates, and Bayesian estimation of dynamic stochastic general equilibrium (DSGE) models. The book first introduces the theory of dynamical systems and numerical methods for solving dynamical systems, and then discusses the theory and applications of dynamic optimization. The book goes on to treat equilibrium analysis, covering a variety of core macroeconomic models, and such additional topics as recursive utility (increasingly used in finance and macroeconomics), dynamic games, and recursive contracts. The book introduces Dynare, a widely used software platform for handling a range of economic models; readers will learn to use Dynare for numerically solving DSGE models and performing Bayesian estimation of DSGE models. Mathematical appendixes present all the necessary mathematical concepts and results. Matlab codes used to solve examples are indexed and downloadable from the book's website. A solutions manual for students is available for sale from the MIT Press; a downloadable instructor's manual is available to qualified instructors.

The Art of Assembly Language, 2nd Edition-Randall Hyde 2010-03-01 Assembly is a low-level programming language that's one step above a computer's native machine language. Although assembly language is commonly used for writing device drivers, emulators, and video games, many programmers find its somewhat unfriendly syntax intimidating to learn and use. Since 1996, Randall Hyde's The Art of Assembly Language has provided a comprehensive, plain-English, and patient introduction to 32-bit x86 assembly for non-assembly programmers. Hyde's primary teaching tool, High Level Assembler (or HLA), incorporates many of the features found in high-level languages (like C, C++, and Java) to help you quickly grasp basic assembly concepts. HLA lets you write true low-level code while enjoying the benefits of high-level language programming. As you read The Art of Assembly Language, you'll learn the low-level theory fundamental to computer science and turn that understanding into real, functional code. You'll learn how to: –Edit, compile, and run HLA programs –Declare and use constants, scalar variables, pointers, arrays, structures, unions, and namespaces –Translate arithmetic expressions (integer and floating point) –Convert high-level control structures This much anticipated second edition of The Art of Assembly Language has been updated to reflect recent changes to HLA and to support Linux, Mac OS X, and FreeBSD. Whether you're new to programming or you have experience with high-level languages, The Art of Assembly Language, 2nd Edition is your essential guide to learning this complex, low-level language.

Monetary Theory and Policy-Carl E. Walsh 2010-02-12 Empirical evidence on money, prices, and output -- Money-in-the-utility function -- Money and transactions -- Money and public finance -- Money in the short run : informational and portfolio rigidities -- Money in the short run : nominal price and wage rigidities -- Discretionary policy and time inconsistency -- New keynesian monetary economics -- Money and the open economy -- Financial markets and monetary policy -- Monetary policy and operating procedures.

The Nature of Statistical Learning Theory-Vladimir N. Vapnik 2013-04-17 The aim of this book is to discuss the fundamental ideas which lie behind the statistical theory of learning and generalization. It considers learning from the general point of view of function estimation based on empirical data. Omitting proofs and technical details, the author concentrates on discussing the main results of learning theory and their connections to fundamental problems in statistics. These include: - the general setting of learning problems and the general model of minimizing the risk functional from empirical data - a comprehensive analysis of the empirical risk minimization principle and shows how this allows for the construction of necessary and sufficient conditions for consistency - non-asymptotic bounds for the risk achieved using the empirical risk minimization principle - principles for controlling the generalization ability of learning machines using small sample

sizes - introducing a new type of universal learning machine that controls the generalization ability.

Recursive Linear Models of Dynamic Economies-Lars Peter Hansen 1990 This paper describes a class of dynamic stochastic linear quadratic equilibrium models. A model is specified by naming lists of matrices that determine preferences, technology, and the information structure. Aggregate equilibrium allocations and prices are computed by solving a social planning problem in the form of an optimal linear regulator. Heterogeneity among agents is permitted. Several examples are computed.

Introduction to Modern Economic Growth-Daron Acemoglu 2008-12-15 Introduction to Modern Economic Growth is a groundbreaking text from one of today's leading economists. Daron Acemoglu gives graduate students not only the tools to analyze growth and related macroeconomic problems, but also the broad perspective needed to apply those tools to the big-picture questions of growth and divergence. And he introduces the economic and mathematical foundations of modern growth theory and macroeconomics in a rigorous but easy to follow manner. After covering the necessary background on dynamic general equilibrium and dynamic optimization, the book presents the basic workhorse models of growth and takes students to the frontier areas of growth theory, including models of human capital, endogenous technological change, technology transfer, international trade, economic development, and political economy. The book integrates these theories with data and shows how theoretical approaches can lead to better perspectives on the fundamental causes of economic growth and the wealth of nations. Innovative and authoritative, this book is likely to shape how economic growth is taught and learned for years to come. Introduces all the foundations for understanding economic growth and dynamic macroeconomic analysis Focuses on the big-picture questions of economic growth Provides mathematical foundations Presents dynamic general equilibrium Covers models such as basic Solow, neoclassical growth, and overlapping generations, as well as models of endogenous technology and international linkages Addresses frontier research areas such as international linkages, international trade,

political economy, and economic development and structural change An accompanying Student Solutions Manual containing the answers to selected exercises is available (978-0-691-14163-3/$24.95). See: http://press.princeton.edu/titles/8970.html. For Professors only: To access a complete solutions manual online, email us at: acemoglusolutions@press.princeton.edu

Advanced Modern Macroeconomics-Max Gillman 2011 Modern Macroeconomics, by Max Gillman, takes a new and modern approach to macroeconomic theory using microeconomic foundations. Building from the standard neo-classical models, Gillman has developed a new dynamic model which works to explain business cycles and unemployment, why you can have a banking lead recession as well as fiscal and monetary policy. Although strong in mathematical rigour all calculations in this text are fully derived and graphs provide a direct representation making it accessible. This text is suitable for undergraduate students studying Advanced Macroeconomics courses.

Energy, Foresight and Strategy-Thomas J. Sargent 2016-03-17 The essays in Energy, Foresight and Strategy apply rational expectation theory to various energy markets with the intention of discussing issues relevant to analysis and decision making in the whole of the energy field. Originally published in 1985, issues explored include oil exportation, energy prices and embargoes, both focussing on how past regulation has created issues in the market at the time of publication as well as creating models to ascertain the futures of various energy resources. This title will be of interest to students of Environmental Studies and Economics.

Sendmail-Bryan Costales 2002-12-18 Reliable, flexible, and configurable enough to solve the mail routing needs of any web site, sendmail has withstood the test of time, but has become no less daunting in its complexity. Even the most experienced system administrators have found it challenging to configure and difficult to understand. For help in unraveling its intricacies, sendmail administrators have turned unanimously to one reliable source--the bat book, or sendmail by Bryan Costales and the creator of sendmail, Eric Allman. Now in its third edition,

this best-selling reference will help you master the most demanding version of sendmail yet.The new edition of sendmail has been completely revised to cover sendmail 8.12--a version with more features and fundamental changes than any previous version of the Unix-based email routing program. Because the latest version of sendmail differs so significantly from earlier versions, a massive rewrite of this best-selling reference was called for.The book begins by guiding you through the building and installation of sendmail and its companion programs, such as vacation and makemap. These additional programs are pivotal to sendmail's daily operation. Next, you'll cover the day-to-day administration of sendmail. This section includes two entirely new chapters, "Performance Tuning" to help you make mail delivery as efficient as possible, and "Handling Spam" to deal with sendmail's rich anti-spam features. The next section of the book tackles the sendmail configuration file and debugging. And finally, the book wraps up with five appendices that provide more detail about sendmail than you may ever need. Altogether, versions 8.10 through 8.12 include dozens of new features, options, and macros, and this greatly expanded edition thoroughly addresses each, and provides and advance look at sendmail version 8.13 (expected to be released in 2003).With sendmail, Third Edition in hand, you will be able to configure this challenging but necessary utility for whatever needs your system requires. This much anticipated revision is essential reading for sendmail administrators.

A Primer in Econometric Theory-John Stachurski 2016-08-05 A concise treatment of modern econometrics and statistics, including underlying ideas from linear algebra, probability theory, and computer programming.

Pattern Classification-Richard O. Duda 2012-11-09 The first edition, published in 1973, has become a classicreference in the field. Now with the second edition, readers willfind information on key new topics such as neural networks andstatistical pattern recognition, the theory of machine learning,and the theory of invariances. Also included are worked examples,comparisons between different methods, extensive graphics, expandedexercises and computer project topics. An Instructor's Manual presenting detailed solutions to all theproblems in the book is available from the

Wiley editorialdepartment.

The Scheme Programming Language-R. Kent Dybvig 1996 Basic, no nonsense introduction to the programming language Scheme

Programming in Lua-Roberto Ierusalimschy 2006 Authored by Roberto Ierusalimschy, the chief architect of the language, this volume covers all aspects of Lua 5---from the basics to its API with C---explaining how to make good use of its features and giving numerous code examples. (Computer Books)

Scientific Integrity-Francis L. Macrina 2014-07-01 This widely adopted textbook provides the essential content and skill-building tools for teaching the responsible conduct of scientific research. Scientific Integrity covers the breadth of concerns faced by scientists: protection of animal and human experimental subjects, scientific publication, intellectual property, conflict of interest, collaboration, record keeping, mentoring, and the social and ethical responsibilities of scientists. Learning activities and resources designed to elucidate the principles of Scientific Integrity include Dozens of highly relevant, interactive case studies for discussion in class or online Numerous print and online resources covering the newest research guidelines, regulations, mandates and policies Discussion questions, role-playing exercises, and survey tools to promote critical thought Documents including published rules of conduct, sample experimentation protocols, and patent applications The new edition of Scientific Integrity responds to significant recent changes—new mandates, policies, laws, and other developments—in the field of responsible conduct of research. Dr. Macrina plants the seeds of awareness of existing, changing, and emerging standards in scientific conduct and provides the tools to promote critical thinking in the use of that information. Scientific Integrity is the original turnkey text to guide the next generations of scientists as well as practicing researchers in the essential skills and approaches for the responsible conduct of science.

Econometrics-Fumio Hayashi 2011-12-12 Hayashi's Econometrics promises to be the next

great synthesis of modern econometrics. It introduces first year Ph.D. students to standard graduate econometrics material from a modern perspective. It covers all the standard material necessary for understanding the principal techniques of econometrics from ordinary least squares through cointegration. The book is also distinctive in developing both time-series and cross-section analysis fully, giving the reader a unified framework for understanding and integrating results. Econometrics has many useful features and covers all the important topics in econometrics in a succinct manner. All the estimation techniques that could possibly be taught in a first-year graduate course, except maximum likelihood, are treated as special cases of GMM (generalized methods of moments). Maximum likelihood estimators for a variety of models (such as probit and tobit) are collected in a separate chapter. This arrangement enables students to learn various estimation techniques in an efficient manner. Eight of the ten chapters include a serious empirical application drawn from labor economics, industrial organization, domestic and international finance, and macroeconomics. These empirical exercises at the end of each chapter provide students a hands-on experience applying the techniques covered in the chapter. The exposition is rigorous yet accessible to students who have a working knowledge of very basic linear algebra and probability theory. All the results are stated as propositions, so that students can see the points of the discussion and also the conditions under which those results hold. Most propositions are proved in the text. For those who intend to write a thesis on applied topics, the empirical applications of the book are a good way to learn how to conduct empirical research. For the theoretically inclined, the no-compromise treatment of the basic techniques is a good preparation for more advanced theory courses.

Logic and Structure-Dirk van Dalen 2013-11-11 New corrected printing of a well-established text on logic at the introductory level.

Encyclopedia of Information Science and

Technology-Mehdi Khosrow-Pour 2009 "This set of books represents a detailed compendium of authoritative, research-based entries that define the contemporary state of knowledge on technology"--Provided by publisher.

Game Coding Complete-Mike McShaffry 2003 "Game Coding Complete" takes programmers through the complete process of developing commercial quality games. From page one, McShaffry, a leading programmer for Origin Systems, shows developers how to create and code the very best interactive games.

Essentials of Paleomagnetism-Lisa Tauxe 2010-03-19 "This book by Lisa Tauxe and others is a marvelous tool for education and research in Paleomagnetism. Many students in the U.S. and around the world will welcome this publication, which was previously only available via the Internet. Professor Tauxe has performed a service for teaching and research that is utterly unique."—Neil D. Opdyke, University of Florida

The Handbook of Post Crisis Financial Modelling-Emmanuel Haven 2016-04-29 The 2008 financial crisis was a watershed moment which clearly influenced the public's perception of the role of 'finance' in society. Since 2008, a plethora of books and newspaper articles have been produced accusing the academic community of being unable to produce valid models which can accommodate those extreme events. This unique Handbook brings together leading practitioners and academics in the areas of banking, mathematics, and law to present original research on the key issues affecting financial modelling since the 2008 financial crisis. As well as exploring themes of distributional assumptions and efficiency the Handbook also explores how financial modelling can possibly be re-interpreted in light of the 2008 crisis.