

Chapter 5 Real Business Cycles Sfu

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Frontiers of Business Cycle Research - Thomas F. Cooley 1995-02-26

This introduction to modern business cycle theory uses a neoclassical growth framework to study the economic fluctuations associated with the business cycle. Presenting advances in dynamic economic theory and computational methods, it applies concepts to t

A Guide to Econometrics - Peter Kennedy 2008-02-19

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

How Are You Going to Pay for That? - Ryan Cooper 2022-01-25

A compelling alternative view of the relationship between our politics and our economy. Throughout America, structural problems are getting worse. Economic inequality is near Gilded Age heights, the healthcare system is a mess, and the climate crisis continues to grow. Yet most ambitious policy proposals that might fix these calamities are dismissed as wastefully expensive by default. From the kitchen table to Congress, debates are punctuated with a familiar refrain: "How are you going to pay for that?" This question is designed to shut down policy pushes up front, minimizing any interference with the free market. It comes from neoliberalism, an economic ideology that has overtaken both parties. Proponents insist that markets are naturally-occurring and apolitical—and that too much manipulation of the economy will make our society fall apart. Ryan Cooper argues that our society already is falling apart, and the logically preposterous views of neoliberalism are to blame. Most progressives understand this instinctively, but many lack the background knowledge to make effective economic counterarguments. *How Are You Going To Pay For That?* is filled with engaging discussions and detailed strategies that policymakers and citizens alike can use to assail even the most entrenched lines of neoliberal logic, and start to undo these long-held misconceptions. Equal parts economic theory, history, and political polemic, this is an essential roadmap for winning the key battles to come.

Learning Software Organizations. Methodology and Applications - Günther Ruhe 2000-11-29

This book constitutes the thoroughly refereed and revised post-conference documentation of the 11th International Conference on Software Engineering and Knowledge Engineering, SEKE'99, held in Kaiserslautern, Germany in June 1999. The book provides a unique overview of current activities, approaches, and trends in learning software organizations. The first part gives an overview on the topic, covering foundations in the software engineering domain, enabling techniques for organizational learning, and learning support techniques. The second and the third part of the book on methodology and applications present thoroughly revised full papers of the most interesting papers on learning software organizations presented during SEKE'99 and its satellite workshop LSO'99.

Small Business Sourcebook - 2010

Dissertation Abstracts International - 2002

Advances in Modern Tourism Research - Álvaro Matias 2007-06-27

Modern Advances in Tourism Research provides a thorough assessment of state-of-the-art academic research in this field of economic science. The authors start by scoping the scene of tourism research. They progress to a comprehensive analysis of themes of particular interest for researchers and academics interested in the workings of the tourism markets, such as new analysis frameworks in tourism economics and new operational tools in tourism research.

Explaining Financial Crises - Marc Peter Radke 2005

This book develops a new theoretical approach to the explanation of systemic financial crises in industrial and emerging market countries. In contrast to standard models, the present cyclical approach is consistent with the following three stylized facts. Firstly, systemic financial crises are a recurrent phenomenon generally accompanied by excessive boom-bust cycles. Secondly, the frequency of financial crisis cycles is very irregular. Thirdly, most financial crisis cycles are initiated by positive shocks to profit expectations which induce an unsustainable build-up of financial fragility driven by irrational exuberance. The present approach is based on a sophisticated balancesheet structure with many assets, as well as on an expectation formation scheme which combines the rational expectations hypothesis with Keynes' Beauty Contest Theory.

Business Ethics - Stephen M. Byars 2018-09-24

Understanding Financial Accounting - Christopher D. Burnley 2022-01-10

Understanding Financial Accounting, 3rd Canadian Edition presents a fresh approach to teaching introductory financial accounting through a blended conceptual and technical perspective that demonstrates how to apply course information to students' everyday lives and future careers. To develop a deeper understanding of course concepts, students work through high-quality assessment at varying levels, helping them learn more efficiently and create connections between topics and real-world application. There are also a variety of hands-on Excel and data analytics activities that help students learn how to solve business problems within the accounting context. With Understanding Financial Accounting, students will remain engaged, on track, and develop the key skills they need for future academic and career success.

The Future of the Gulf Region - Arno Tausch 2021-08-09

This book studies values and attitudes in the Gulf region. In light of global power shifts, the threatening collapse of internal security in the West, and uncertainty about the current leadership vacuum in world society, this book explores a future leading role of the Gulf countries in such institutions as the G-20 and the OECD. Based on rigorous analysis of macro-level data and opinion surveys with relevance for the Gulf region, it analyzes the global macro-factors shaping the Gulf's future at a time of the global COVID-19 crisis and depression and rising global tensions. Starting with an empirical time series analysis of the long cycles of global politics and economics, it highlights the implications for the Gulf region. Offering a multivariate analysis of civil society values in the Gulf, the author analyzes value changes and attitudes on antisemitism, political Islam, internal security, democracy, and other issues of Arab politics. The partially optimistic conclusions of the study testify to the underestimated and incipient maturity of the Gulf's civil society and strongly suggest that the Gulf's future is rather with the free societies of the West and not with a Neo-Ottoman Empire in whatever form. "Exceptional in scope and right up-to-the-minute in coverage" Brian M Pollins, Associate, Professor Emeritus, The Ohio State University. "An outstanding and topical book by an astute scholar of the MENA region" Professor Hussein Solomon, Academic Head of Department, Political Studies and Governance, University of the Free State, South Africa. "The most comprehensive and insightful study on the subject to date" Manfred B. Steger, Professor of Sociology, University of Hawai'i at Manoa and Global Professorial Fellow, Western Sydney University.

ICTE in Transportation and Logistics 2019 - Egils Ginters 2020-01-30

This proceedings volume explores the latest advances in transport and logistics, while also discussing the applications of modern information technologies, telecommunications, electronics, and prospective research methods and analyzing their impacts on society and the environment, which in turn determine the future development of these technologies.

The book is intended for a broad readership, including transport and logistics business planners and technical experts, leveraging industry knowledge and facilitating technology adoption in promising business regions and transit corridors such as Ukraine, Kazakhstan, and others. The authors, who include policy planners and crafters as well as education and training professionals, address various types of intermodal transport such as rail, road, maritime, air, etc.

Workers, Capital, and the State in British Columbia - Rennie Warburton 2011-11-01

This collection of essays offers a comprehensive examination of the working class experience in British Columbia and contains essential background knowledge for an understanding of contemporary relations between government, labour, and employees. It treats workers' relationship to the province's resource base, the economic role of the state, the structure of capitalism, the labour market and the influence of ethnicity and race on class relations.

Recursive Macroeconomic Theory, fourth edition - Lars Ljungqvist 2018-09-11

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.

Advances in Meteorology, Climatology and Atmospheric Physics - Costas G. Helmis 2012-08-01

This book essentially comprises the proceedings of the 11th International Conference of Meteorology, Climatology and Atmospheric Physics (COMECAP 2012) that is held in Athens from 30 May to 1 June 2012. The Conference addresses researchers, professionals and students interested in the following topics: Agricultural Meteorology and Climatology, Air Quality, Applied Meteorology and Climatology, Applications of Meteorology in the Energy Sector, Atmospheric Physics and Chemistry, Atmospheric Radiation, Atmospheric Boundary Layer, Biometeorology and Bioclimatology, Climate Dynamics, Climatic Changes, Cloud Physics, Dynamic and Synoptic Meteorology, Extreme Events, Hydrology and Hydrometeorology, Mesoscale Meteorology, Micrometeorology/Urban Microclimate, Remote Sensing/ Satellite Meteorology and Climatology, Weather Analysis and Forecasting. The book includes all papers that have been accepted for presentation at the conference.

Computational Methods for the Study of Dynamic Economies - Ramon Marimon 1999-03-04

Macroeconomics increasingly uses stochastic dynamic general equilibrium models to understand theoretical and policy issues. Unless very strong assumptions are made, understanding the properties of particular models requires solving the model using a computer. This volume brings together leading contributors in the field who explain in detail how to implement the computational techniques needed to solve dynamic economics models. A broad spread of techniques are covered, and their application in a wide range of subjects discussed. The book provides the basics of a toolkit which researchers and graduate students can use to solve and analyse their own theoretical models.

Energy Storage and Release through the Solar Activity Cycle - Christophe Marque 2012-07-06

For nearly sixty years, radio observations have provided a unique insight into the physics of the active and quiescent solar atmosphere. Thanks to the variety of emission mechanisms and to the large altitude range available to observations, fundamental plasma parameters have been

measured from the low chromosphere to the upper corona and interplanetary medium. This book presents current research in solar radio astronomy and shows how well it fits in the exceptional scientific context brought by the current space solar observatories. It essentially contains contributed research and review papers presented during the 2010 Community of European Solar Radio Astronomers (CESRA) meeting, which took place in Belgium in June 2010. This book is aimed at graduate students and researchers working in solar physics and space science. Previously published in Solar Physics journal, Vol. 273/2, 2011.

The Cult of the Market - Lee Boldeman 2007-10-01

"The Cult of the Market: Economic Fundamentalism and its Discontents' disputes the practical value of the shallow, all-encompassing, dogmatic, economic fundamentalism espoused by policy elites in recent public policy debates, along with their gross simplifications and sacred rules. Economics cannot provide a convincing overarching theory of government action or of social action more generally. Furthermore, mainstream economics fails to get to grips with the economic system as it actually operates. It advocates a more overtly experimental, eclectic and pragmatic approach to policy development which takes more seriously the complex, interdependent, evolving nature of society and the economy. Importantly, it is an outlook that recognises the pervasive influence of asymmetries of wealth, power and information on bargaining power and prospects throughout society. The book advocates a major reform of the teaching of economics"--Provided by publisher.

Applications of Evolutionary Computation - Cecilia Di Chio 2011-04-19

This book constitutes the refereed proceedings of the International Conference on the Applications of Evolutionary Computation, EvoApplications 2011, held in Torino, Italy, in April 2011 colocated with the Evo* 2011 events. Thanks to the large number of submissions received, the proceedings for EvoApplications 2011 are divided across two volumes (LNCS 6624 and 6625). The present volume contains contributions for EvoCOMNET, EvoFIN, EvoIHOT, EvoMUSART, EvoSTIM, and EvoTRANSLOC. The 51 revised full papers presented were carefully reviewed and selected from numerous submissions. This volume presents an overview about the latest research in EC. Areas where evolutionary computation techniques have been applied range from telecommunication networks to complex systems, finance and economics, games, image analysis, evolutionary music and art, parameter optimization, scheduling, and logistics. These papers may provide guidelines to help new researchers tackling their own problem using EC.

Behavioral Economics - Masao Ogaki 2018-02-05

This book is intended as a textbook for a course in behavioral economics for advanced undergraduate and graduate students who have already learned basic economics. The book will also be useful for introducing behavioral economics to researchers. Unlike some general audience books that discuss behavioral economics, this book does not take a position of completely negating traditional economics. Its position is that both behavioral and traditional economics are tools that have their own uses and limitations. Moreover, this work makes clear that knowledge of traditional economics is a necessary basis to fully understand behavioral economics. Some of the special features compared with other textbooks on behavioral economics are that this volume has full chapters on neuroeconomics, cultural and identity economics, and economics of happiness. These are distinctive subfields of economics that are different from, but closely related to, behavioral economics with many important overlaps with behavioral economics. Neuroeconomics, which is developing fast partly because of technological progress, seeks to understand how the workings of our minds affect our economic decision making. In addition to a full chapter on neuroeconomics, the book provides explanations of findings in neuroeconomics in chapters on prospect theory (a major decision theory of behavioral economics under uncertainty), intertemporal economic behavior, and social preferences (preferences that exhibit concerns for others). Cultural and identity economics seek to explain how cultures and people's identities affect economic behaviors, and economics of happiness utilizes measures of subjective well-being. There is also a full chapter on behavioral normative economics, which evaluates economic policies based on findings and theories of behavioral economics.

Code Generation for Embedded Processors - Peter Marwedel 2013-03-14

Modern electronics is driven by the explosive growth of digital communications and multi-media technology. A basic challenge is to design first-time-right complex digital systems, that meet stringent constraints on performance and power dissipation. In order to combine this growing system complexity with an increasingly short time-to-market, new system design technologies are emerging based on the

paradigm of embedded programmable processors. This concept introduces modularity, flexibility and re-use in the electronic system design process. However, its success will critically depend on the availability of efficient and reliable CAD tools to design, programme and verify the functionality of embedded processors. Recently, new research efforts emerged on the edge between software compilation and hardware synthesis, to develop high-quality code generation tools for embedded processors. Code Generation for Embedded Systems provides a survey of these new developments. Although not limited to these targets, the main emphasis is on code generation for modern DSP processors. Important themes covered by the book include: the scope of general purpose versus application-specific processors, machine code quality for embedded applications, retargetability of the code generation process, machine description formalisms, and code generation methodologies. Code Generation for Embedded Systems is the essential introduction to this fast developing field of research for students, researchers, and practitioners alike.

PEM Fuel Cells - Gurbinder Kaur 2021-11-16

PEM Fuel Cells: Fundamentals, Advanced Technologies, and Practical Application provides a comprehensive introduction to the principles of PEM fuel cell, their working condition and application, and the latest breakthroughs and challenges for fuel cell technology. Each chapter follows a systematic and consistent structure with clear illustrations and diagrams for easy understanding. The opening chapters address the basics of PEM technology; stacking and membrane electrode assembly for PEM, degradation mechanisms of electrocatalysts, platinum dissolution and redeposition, carbon-support corrosion, bipolar plates and carbon nanotubes for the PEM, and gas diffusion layers. Thermodynamics, operating conditions, and electrochemistry address fuel cell efficiency and the fundamental workings of the PEM. Instruments and techniques for testing and diagnosis are then presented alongside practical tests. Dedicated chapters explain how to use MATLAB and COMSOL to conduct simulation and modeling of catalysts, gas diffusion layers, assembly, and membrane. Degradation and failure modes are discussed in detail, providing strategies and protocols for mitigation. High-temperature PEMs are also examined, as are the fundamentals of EIS. Critically, the environmental impact and life cycle of the production and storage of hydrogen are addressed, as are the risk and durability issues of PEMFC technology. Dedicated chapters are presented on the economics and commercialization of PEMFCs, including discussion of installation costs, initial capital costs, and the regulatory frameworks; apart from this, there is a separate chapter on their application to the automotive industry. Finally, future challenges and applications are considered. PEM Fuel Cells: Fundamentals, Advanced Technologies, and Practical Application provides an in-depth and comprehensive reference on every aspect of PEM fuel cells fundamentals, ideal for researchers, graduates, and students. Presents the fundamentals of PEM fuel cell technology, electrolytes, membranes, modeling, conductivity, recent trends, and future applications Addresses commercialization, public policy, and the environmental impacts of PEMFC in dedicated chapters Presents state-of-the-art PEMFC research alongside the underlying concepts

The Citizen's Guide to Climate Success - Mark Jaccard 2020-02-06

Sometimes solving climate change seems impossibly complex, and it is hard to know what changes we all can and should make to help. This book offers hope. Drawing on the latest research, Mark Jaccard shows us how to recognize the absolutely essential actions (decarbonizing electricity and transport) and policies (regulations that phase out coal plants and gasoline vehicles, carbon tariffs). Rather than feeling paralyzed and pursuing ineffective efforts, we can all make a few key changes in our lifestyles to reduce emissions, to contribute to the urgently needed affordable energy transition in developed and developing countries. More importantly, Jaccard shows how to distinguish climate-sincere from insincere politicians and increase the chance of electing and sustaining these leaders in power. In combining the personal and the political, The Citizen's Guide to Climate Success offers a clear and simple strategic path to solving the greatest problem of our times. A PDF version of this title is also available as Open Access on Cambridge Core at doi.org/10.1017/9781108783453.

Local and Regional Systems of Innovation - John de la Mothe 2012-12-06

In an era of intense globalization, the critical role of the region as a center for economic development has sometimes been overlooked. Moreover, innovation is increasingly being recognized as being a critical driver of economic growth and development. However, innovation is no

longer being seen as a function of research and development; nor is R&D being seen as being sufficient for the creation of technology-intensive industries and the valuable economic spillovers that result in high value-added jobs and exports. Indeed, much more than ever before, it is the combination of factors that contributes to innovation - ranging over skills, finance, production, user-producer linkages, the capacity of organizations to learn, and multilayered government policies - that make local regions the favorites of fortune. Using an evolutionary economic perspective, and drawing on a range of disciplines and accomplished scholars, Local and Regional Systems of Innovation explores important issues at a conceptual, methodological and comparative level concerning how successful locations actually construct their comparative advantage.

Tourism, Development and Growth - John J. Pigram 2005-10-05

Distinguishing between sustainable development and sustainable tourism, the authors examine whether, and in what form, tourism can contribute to sustainable development and growth. Focusing on different types of tourism appropriate to particular situations, the team of leading contributors draws on examples from around the world - Canada, USA, Spain, Belgium, UK, Australia - to explore tourism's contribution to the economic, social, political and environmental advancement of developing countries and the importance of tourism in industrialised nations. This book examines the new policies and initiatives established by both the private sector and the state to pursue sustainable tourism growth and identifies the opportunities and challenges inherent in achieving it.

Robustness - Lars Peter Hansen 2016-06-28

The standard theory of decision making under uncertainty advises the decision maker to form a statistical model linking outcomes to decisions and then to choose the optimal distribution of outcomes. This assumes that the decision maker trusts the model completely. But what should a decision maker do if the model cannot be trusted? Lars Hansen and Thomas Sargent, two leading macroeconomists, push the field forward as they set about answering this question. They adapt robust control techniques and apply them to economics. By using this theory to let decision makers acknowledge misspecification in economic modeling, the authors develop applications to a variety of problems in dynamic macroeconomics. Technical, rigorous, and self-contained, this book will be useful for macroeconomists who seek to improve the robustness of decision-making processes.

The North American Carbon Budget and Implications for the Global Carbon Cycle - 2007

Accompanying CD-ROM contains full text of book and appendixes. Cf. menu frames of CD-ROM.

Advanced Parallel Processing Technologies - Yong Dou 2009-08-06

This book constitutes the refereed proceedings of the 8th International Workshop on Advanced Parallel Processing Technologies, APPT 2009, held in Rapperswil, Switzerland, in August 2009. The 36 revised full papers presented were carefully reviewed and selected from 76 submissions. All current aspects in parallel and distributed computing are addressed ranging from hardware and software issues to algorithmic aspects and advanced applications. The papers are organized in topical sections on architecture, graphical processing unit, grid, grid scheduling, mobile application, parallel application, parallel libraries and performance.

The Plant Cytoskeleton - Bo Liu 2010-11-23

Plant cells house highly dynamic cytoskeletal networks of microtubules and actin microfilaments. They constantly undergo remodeling to fulfill their roles in supporting cell division, enlargement, and differentiation. Following early studies on structural aspects of the networks, recent breakthroughs have connected them with more and more intracellular events essential for plant growth and development. Advanced technologies in cell biology (live-cell imaging in particular), molecular genetics, genomics, and proteomics have revolutionized this field of study. Stories summarized in this book may inspire enthusiastic scientists to pursue new directions toward understanding functions of the plant cytoskeleton. The Plant Cytoskeleton is divided into three sections: 1) Molecular Basis of the Plant Cytoskeleton; 2) Cytoskeletal Reorganization in Plant Cell Division; and 3) The Cytoskeleton in Plant Growth and Development. This book is aimed at serving as a resource for anyone who wishes to learn about the plant cytoskeleton beyond ordinary textbooks.

Canadiana - 1989

Long-Run Economic Growth - Steven Durlauf 2012-12-06

One of the most enduring questions in economics involves how a nation could accelerate the pace of its economic development. One of the most

enduring answers to this question is to promote exports -either because doing so directly influences development via encouraging production of goods for export, or because export promotion permits accumulation of foreign exchange which permits importation of high-quality goods and services, which can in turn be used to expand the nation's production possibilities. In either case, growth is said to be export-led; the latter case is the so-called "two-gap" hypothesis (McKinnon, 1964; Findlay, 1973). The early work on export-led growth consisted of static cross-country comparisons (Michaely, 1977; Balassa, 1978; Tyler, 1981; Kormendi and Meguire, 1985). These studies generally concluded that there is strong evidence in favour of export-led growth because export growth and income growth are highly correlated. However, Kravis pointed out in 1970 that the question is an essentially dynamic one: as he put it, are exports the handmaiden or the engine of growth? To make this determination one needs to look at time series to see whether or not exports are driving income. This approach has been taken in a number of papers (Jung and Marshall, 1985; Chow, 1987; Serletis, 1992; Kunst and Marin, 1989; Marin, 1992; Afrentiou and Serletis, 1991), designed to assess whether or not individual countries exhibit statistically significant evidence of export-led growth using Granger causality tests.

Experimental and Quasi-Experimental Designs for Research - Donald T. Campbell 2015-09-03

We shall examine the validity of 16 experimental designs against 12 common threats to valid inference. By experiment we refer to that portion of research in which variables are manipulated and their effects upon other variables observed. It is well to distinguish the particular role of this chapter. It is not a chapter on experimental design in the Fisher (1925, 1935) tradition, in which an experimenter having complete mastery can schedule treatments and measurements for optimal statistical efficiency, with complexity of design emerging only from that goal of efficiency. Insofar as the designs discussed in the present chapter become complex, it is because of the intransigency of the environment: because, that is, of the experimenter's lack of complete control.

Catalog of Copyright Entries. Third Series - Library of Congress. Copyright Office 1972

Computer Organization and Design RISC-V Edition - David A. Patterson 2017-05-12

The new RISC-V Edition of Computer Organization and Design features the RISC-V open source instruction set architecture, the first open source architecture designed to be used in modern computing environments such as cloud computing, mobile devices, and other embedded systems. With the post-PC era now upon us, Computer Organization and Design moves forward to explore this generational change with examples, exercises, and material highlighting the emergence of mobile computing and the Cloud. Updated content featuring tablet computers, Cloud infrastructure, and the x86 (cloud computing) and ARM (mobile computing devices) architectures is included. An online companion Web site provides advanced content for further study, appendices, glossary, references, and recommended reading. Features RISC-V, the first such architecture designed to be used in modern computing environments, such as cloud computing, mobile devices, and other embedded systems Includes relevant examples, exercises, and material highlighting the emergence of mobile computing and the cloud

Governing the Firm - Gregory K. Dow 2003-02-17

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Hardware Software Co-Design of a Multimedia SOC Platform - Sao-Jie Chen 2009-01-25

Hardware Software Co-Design of a Multimedia SOC Platform is one of the first of its kinds to provide a comprehensive overview of the design and implementation of the hardware and software of an SoC platform for multimedia applications. Topics covered in this book range from system level design methodology, multimedia algorithm implementation, a sub-word parallel, single-instruction-multiple data (SIMD) processor design, and its virtual platform implementation, to the development of an SIMD parallel compiler as well as a real-time operating system (RTOS). Hardware Software Co-Design of a Multimedia SOC Platform is written for practitioner engineers and technical managers who want to gain first hand knowledge about the hardware-software design process of an SoC platform. It offers both tutorial-like details to help readers become familiar with a diverse range of subjects, and in-depth analysis for advanced readers to pursue further.

Advanced Macroeconomics: An Introduction For Undergraduates - Angus Chi Ho Chu 2020-10-06

Foreword by Guido Cozzi (University of St. Gallen, Switzerland) Advanced Macroeconomics covers selected topics in advanced macroeconomics at undergraduate level and bridges the gap between intermediate macroeconomics for undergraduates and advanced macroeconomics for postgraduates. By building on materials in intermediate macroeconomics textbooks and covering the mathematics of some classic dynamic general-equilibrium models, this book will give undergraduate students a firm appreciation of modern developments in macroeconomics. This book examines the implications of government policies (such as fiscal policy, monetary policy and innovation policy) and devotes several chapters to economic growth, covering the ideas for which Paul Romer was awarded the Nobel Memorial Prize in Economic Sciences in 2018. Dynamic general equilibrium is the foundation of modern macroeconomics. Chapter 1 begins with a simple static model to demonstrate the concept of general equilibrium. Chapters 2 to 4 cover the neoclassical growth model, exploring the effects of exogenous changes in technology: an important source of business cycle fluctuations. Chapters 5 to 7 use the neoclassical growth model to explore the effects of fiscal policy instruments such as government spending, labour income tax and capital income tax. Chapter 8 develops a simple New Keynesian model to analyse the effects of monetary policy. Chapter 9 begins the analysis of economic growth by reviewing the Solow growth model. Chapters 10 to 12 present the Ramsey model and introduce different market structures to the model to lay down the foundation of the Romer model. Chapter 13 incorporates an R&D sector into the Ramsey model with a monopolistically competitive market structure to develop the Romer model of endogenous technological change. Chapters 14 to 15 examine the implications of the Romer model. Chapter 16 concludes this book by presenting the Schumpeterian growth model and examining its different implications from the Romer model.

Principle Advancements in Database Management Technologies: New Applications and Frameworks - Siau, Keng 2009-12-31

Significant progression and usage of Internet innovations has caused a need for streamlining past, present, and future database technologies. Principle Advancements in Database Management Technologies: New Applications and Frameworks presents exemplary research in a variety of areas related to database development, technology, and use. This authoritative reference source presents innovative approaches by leading international experts to serve as the primary database management source for researchers, practitioners, and academicians.

Investment Governance for Fiduciaries - Michael E. Drew 2019-04-22

Governance is a word that is increasingly heard and read in modern times, be it corporate governance, global governance, or investment governance. Investment governance, the central concern of this modest volume, refers to the effective employment of resources—people, policies, processes, and systems—by an individual or governing body (the fiduciary or agent) seeking to fulfil their fiduciary duty to a principal (or beneficiary) in addressing an underlying investment challenge. Effective investment governance is an enabler of good stewardship, and for this reason it should, in our view, be of interest to all fiduciaries, no matter the size of the pool of assets or the nature of the beneficiaries. To emphasize the importance of effective investment governance and to demonstrate its flexibility across organization type, we consider our investment governance process within three contexts: defined contribution (DC) plans, defined benefit (DB) plans, and endowments and foundations (E&Fs). Since the financial crisis of 2007–2008, the financial sector's place in the economy and its methods and ethics have (rightly, in many cases) been under scrutiny. Coupled with this theme, the task of investment governance is of increasing importance due to the sheer weight of money, the retirement savings gap, demographic trends, regulation and activism, and rising standards of behavior based on higher expectations from those fiduciaries serve. These trends are at the same time related and self-reinforcing. Having explored the why of investment governance, we dedicate the remainder of the book to the question of how to bring it to bear as an essential component of good fiduciary practice. At this point, the reader might expect investment professionals to launch into a discussion about an investment process focused on the best way to capture returns. We resist this temptation. Instead, we contend that achieving outcomes on behalf of beneficiaries is as much about managing risks as it is about capturing returns—and we mean "risks" broadly construed, not just fluctuations in asset values.

Australian Mineral Economics - Philip Maxwell 2006