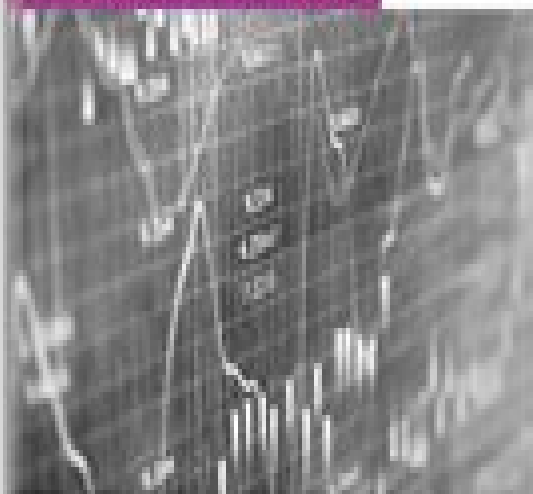


Rational Expectations and Econometric Practice

Robert Lucas et Thomas Sargent

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Rational Expectations And Econometric Practice

Thomas J. Sargent



Rational Expectations And Econometric Practice:

Rational Expectations and Econometric Practice Robert E. Lucas, Thomas J. Sargent, 1988 Assumptions about how people form expectations for the future shape the properties of any dynamic economic model To make economic decisions in an uncertain environment people must forecast such variables as future rates of inflation tax rates government spending *Rational Expectations and Econometric Practice* Thomas J. Sargent, 1984 *Rational Expectations and Econometric Practice* Robert E. Lucas (Jr.), Thomas J. Sargent, 1981 **Rational Expectations Econometrics** Lars Peter Hansen, Thomas

Sargent, 2019-09-05 At the core of the rational expectations revolution is the insight that economic policy does not operate independently of economic agents knowledge of that policy and their expectations of the effects of that policy This means that there are very complicated feedback relationships existing between policy and the behaviour of economic agents and these relationships pose very difficult problems in econometrics when one tries to exploit the rational expectations insight in formal economic modelling This volume consists of work by two rational expectations pioneers dealing with the nuts and bolts problems of modelling the complications introduced by rational expectations Each paper deals with aspects of the problem of making inferences about parameters of a dynamic economic model on the basis of time series observations Each exploits restrictions on an econometric model imposed by the hypothesis that agents within the model have rational expectations **The Representative Agent in Macroeconomics** James E Hartley, James E. Hartley, 2002-01-04

Representative agent models have become a predominant means of studying the macroeconomy in modern economics without there being much discussion in the literature about their propriety or usefulness This volume evaluates the use of these models in macroeconomics examining the justifications for their use and concluding that representative agent models are neither a proper nor a particularly useful means of studying aggregate behaviour *New Issues in the Theory of Investment* Marcel Savioz, 2012-12-06 The investment good market together with the consumer good market the money market and the labour market are indeed the most extensively studied markets The exhaustive survey of investment theory by Eisner and Strotz already quoted four hundred references in 1963 although this work advocating for adjustment costs was in fact only carried out at the very beginning of modern investment theory This chapter gives an introduction of the extensive field and is an attempt to present some key ideas of investment theory 1 We show that modern investment theory is the integration of many traditional approaches The content of the chapter is set as follows Section 2 presents an illustrative model of investment theory Section 3 using this model describes the investment decision of the firm Sections 4 to 10 each present a classical investment hypothesis within the framework of the model Section 11 concludes For convenience the key to the symbols used is given in Table 1 2 The Model of the Firm Investment theory was born with the claim of Keynes 1936 that besides the capital demand demand for a stock of capital at a point in time an investment demand demand for the increment of the capital stock in a period 1 Recent surveys are Abel 1988 Coen and Eisner 1987 Artus and Muet 1984 The book on

investment theory by Nickell 1978 is outstanding *A History of Econometrics* R.J. Epstein, 2014-06-28 This comparative historical study of econometrics focuses on the development of econometric methods and their application to macroeconomics The analysis covers the origins of modern econometrics in the USA and Europe during the 1920 s and 30 s the rise of structural estimation in the 1940 s and 50 s as the dominant research paradigm and the crisis of the large macroeconomic models in the 1970 s and 80 s The completely original feature of this work is the use of previously unknown manuscript material from the archives of the Cowles Commission and other collections The history so constructed shows that recent debates over methodology are incomplete without understanding the many deep criticisms that were first raised by the earliest researchers in the field **The National Energy Modeling System** National Research Council, Division on Engineering and Physical Sciences, Commission on Engineering and Technical Systems, Commission on Behavioral and Social Sciences and Education, Committee on the National Energy Modeling System, Energy Engineering Board, Commission on Engineering and Technical Systems, Committee on National Statistics, 1992-02-01 This book addresses the process and actions for developing enhanced capabilities to analyze energy policy issues and perform strategic planning activities at the U S Department of Energy DOE on an ongoing basis Within the broader context of useful analytical and modeling capabilities within and outside the DOE this volume examines the requirements that a National Energy Modeling System NEMS should fulfill presents an overall architecture for a NEMS identifies data needs and outlines priority actions for timely implementation of the system *Monetary Policy on the 75th Anniversary of the Federal Reserve System* M.T. Belongia, 2012-12-06 When the 12 District Banks of the Federal Reserve System opened their doors for business on November 16 1914 few observers could have foreseen the Fed s present role as a major if not dominant player in U S and world economic policymaking After all two previous attempts to create a central bank in this country had ended in failure Moreover much of the economic theory and institutional structure that have given rise to monetary policy s influence in recent years were not yet in place Indeed it would take the Fed more than 20 years to learn by accident the power of open market operations Clearly the modern Federal Reserve System has found itself with powers and responsibilities that were not envisioned by its founders These proceedings from a conference held at the Federal Reserve Bank of St Louis on October 19 20 1989 examine U S monetary policy from a variety of perspectives a historical review of how it has affected aggregate economic performance a positive analysis of why the Federal Reserve has chosen particular policy strategies a review of normative arguments about what the Fed should pursue as its policy objective a critique of how the Fed s output the flow of monetary services in the U S economy is measured and finally a debate over the Fed s ability to influence real economic activity by changing the nominal quantity of money in circulation Dynamic Macroeconomic Theory Thomas J. Sargent, 2009-06-01 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

War Finance, Reconstruction, Hyperinflation and Stabilization in Hungary, 1938-48 Pierre L Siklos,1991-05-24

A Guide to Modern Economics Michael Bleaney,Prof David Greenaway,1996-07-04 This work provides a valuable review of the most important developments in economic theory and application over the last decade Comprising twenty seven specially commissioned overviews the volume presents a comprehensive and student friendly guide to contemporary economics Previously published by Routledge as part of the Companion to Contemporary Economic Thought these essays are made available here for the first time in a concise paperback edition A Guide to Modern Economics will be a valuable guide to all those who wish to familiarize themselves with the most recent developments in the discipline *The General Theory*

G. C. Harcourt,P. A. Riach,2005-06-27 This second volume contains essays which relate to developments in Keynes scholarship and theorizing in the years since his death and demonstrates the ongoing validity of the Keynesian tradition

Agricultural Economics Research ,1984 *Exercises in Dynamic Macroeconomic Theory* Rodolfo E. Manuelli,Thomas J Sargent,2009-06-01 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 **Time Series Analysis** James D. Hamilton, 2020-09-01 An authoritative self contained overview of time series analysis for students and researchers The past decade has brought dramatic changes in the way that researchers analyze economic and financial time series This textbook synthesizes these advances and makes them accessible to first year graduate students James Hamilton provides comprehensive treatments of important innovations such as vector autoregressions generalized method of moments the economic and statistical consequences of unit roots time varying variances and nonlinear time series models In addition he presents basic tools for analyzing dynamic systems including linear representations autocovariance generating functions spectral analysis and the Kalman filter in a way that integrates economic theory with the practical difficulties of analyzing and interpreting real world data Time Series Analysis fills an important need for a textbook that integrates economic theory econometrics and new results This invaluable book starts from first principles and should be readily accessible to any beginning graduate student while it is also intended to serve as a reference book for researchers Probability Foundations of Economic Theory Charles McCann, 2003-08-16 First published in 1994 Routledge is an imprint of Taylor Francis an informa company **The Economic World View** Maki, 2001-07-23 The beliefs of economists are not solely determined by empirical evidence in direct relation to the theories and models they hold Economists hold ontological presuppositions fundamental ideas about the nature of being which direct their thinking about economic behaviour In this volume leading philosophers and economists examine these hidden presuppositions searching for a world view of economics What properties are attributed to human individuals in economic theories and which are excluded Does economic man exist Do markets have an essence Do macroeconomic aggregates exist Is the economy a mechanism the functioning of which is governed by a limited set of distinct causes What are the methodological implications of different ontological starting points This collection which establishes economic ontology as a coordinated field of study will be of great value to economists and philosophers of social sciences **Die Erfahrung der Inflation im internationalen Zusammenhang und Vergleich** William James Bouwsma, 1984 Conference report on the history of inflation and economic reconstruction in Europe 1914 1924 concentrates on events in Austria Czechoslovakia Germany Hungary Poland UK and the role of USA includes chapters on stabilization processes fiscal policies monetary policies and income distribution examines the economic role of banks and of trade analyzes economic recession and social conflicts related to strikes lockouts and hours of work Graphs references statistical tables Conference held in Berkeley 1982 Jul 26 to Aug 6 **System-Theoretic Methods in Economic Modelling II** S. Mitnik, 2014-06-28 System Theoretic Methods in Economic Modelling II complements the editor s earlier volume bringing

together current research efforts integrating system theoretic concepts with economic modelling processes The range of papers presented here goes beyond the long accepted control theoretic contributions in dynamic optimization and focuses on system theoretic methods in the construction as well as the application stages of economic modelling This volume initiates new and intensifies existing debate between researchers and practitioners within and across the disciplines involved with the objective of encouraging interdisciplinary research The papers are split into four sections estimation filtering and smoothing problems in the context of state space modelling applying the state space concept to financial modelling modelling rational expectation and a miscellaneous section including a follow up case study by Tse and Khilnani on their integrated system model for a fishery management process which featured in the first volume

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