
Technical Efficiency Allocative Efficiency And The

Productivity Accounting
Private Property and Economic Efficiency
The Evidence and Impact of Financial Globalization
Essays on Microeconomics and Industrial Organisation
Stochastic Frontier Analysis
Investment for Health and Well-being
Performance Management in the Public Sector
Truth Or Economics
Anatomy and Consequences of Exchange Control Regimes
The Measurement of Productive Efficiency and Productivity Growth
Advances In Data Envelopment Analysis
Handbook of Health Economics
Handbook of Computable General Equilibrium Modeling
Data Envelopment Analysis: Theory, Methodology, and Applications
Statistics of Communications Common Carriers
An Introduction to Efficiency and Productivity Analysis
Encyclopedia of Quality of Life and Well-Being Research
Introduction to the Theory and Application of Data Envelopment Analysis
Efficiency Analysis
The Measurement of Productive Efficiency
Microeconomics For Dummies
Frontier Production Functions, Technical Efficiency and Panel Data
A Practitioner's Guide to Stochastic Frontier Analysis Using Stata
Reaping the Benefits of Financial Globalization
The Friedman-Lucas Transition in Macroeconomics
Dictionary of Industrial Organization
Measurement of Productivity and Efficiency
The Measurement of Efficiency of Production
International Encyclopedia of Housing and Home
A Generalized Measure of Technical Efficiency
Records Management and Knowledge Mobilisation
A Primer on Efficiency Measurement for Utilities and Transport Regulators
Pricing and Price Regulation
Topics in Production Theory
Encyclopedia of Health Economics
The Beginnings of Behavioral Economics
Health System Efficiency
Energy Analysis and Policy

Dynamic Efficiency and Productivity Measurement
Production Economics: A Dual Approach to Theory and Applications

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Productivity Accounting Cambridge University Press
Contributions to Economic Analysis: Production Economics: A Dual Approach to Theory and Applications, Volume 2 focuses on the theory of production from the standpoint of the "dual", the relationships between economic observables which are dual to physical technology. The selection first ponders on duality, intermediate inputs and value-added, Hicks' aggregation theorem and the existence of a real value-added function, and homotheticity and real value-added in Canadian manufacturing. Discussions focus on real value-added and the production structure, estimation of the production structure, double deflation and real value-added, measurement of total productivity, and duality between direct and conditional indirect utility functions. The book then examines the estimation techniques for the elasticity of substitution and other production parameters and measurement of the elasticity of factor substitution and bias of technical change. The publication takes a look at the identification of technical change in the electricity generating industry, factor substitution in electricity generation, and the effectiveness of rate-of-return regulation. Topics include statistical tests of regulatory effectiveness, profit function for a regulated firm, tests of the structure of technology, identification problems in the measurement of technical change, and measurement of disembodied technical change. The selection is a valuable source of information for economists and researchers interested in production economics.

Private Property and Economic Efficiency World Bank Publications

This clear, precisely written text presents an important branch of the modern, micro-economically based theory of industrial organization and of public finance, utilizing calculus only. Answers are provided to some pertinent economic questions, such as the pricing policies of vote-seeking politicians, of empire-building bureaucrats and of out-put-maximizing and energy-saving public

utilities. These policies are compared with the welfare economic benchmark rules e.g. on marginal cost pricing and Ramsey pricing. Great significance is attached to price regulation. The book elucidates the recent replacement of rate of return regulation by price-cap regulation. It also explains why many simple rules like yardstick regulation fail to achieve optimal prices, which shows how complicated it is to induce managers to truthfully reveal their private information. How this can be achieved properly is shown in various principal-agent models on regulation with uncertain costs, uncertain demand and with soft budget constraints.

The Evidence and Impact of Financial Globalization Academic Press

Softcover version of the second edition Hardcover. Incorporates a new author, Dr. Chris O'Donnell, who brings considerable expertise to the project in the area of performance measurement. Numerous topics are being added and more applications using real data, as well as exercises at the end of the chapters. Data sets, computer codes and software will be available for download from the web to accompany the volume.

Essays on Microeconomics and Industrial Organisation Elsevier

Governments across the WHO European Region need to take urgent action to address the growing public health inequality economic and environmental challenges in order to achieve sustainable development (meeting current needs without compromising the ability of future generations to meet their own needs) and to ensure health and well-being for present and future generations. Based on a scoping review this report concludes that current investment policies and practices (doing business as usual) are unsustainable with high costs to individuals families communities societies the economy and the planet. Investment in public health policies that are based on values and evidence provides effective and efficient inclusive and innovative solutions that can drive social economic and environmental sustainability. Investing for health and well-being is a driver and an enabler of sustainable development and vice versa and it empowers people to achieve the highest attainable standard of health for all.

Stochastic Frontier Analysis World Health Organization

Energy Analysis and Policy: Selected Works discusses the major aspect of electricity economics, including pricing, demand forecasting, investment analysis, and system reliability. This book provides a clear and comprehensive overview of the diversity of problems in analyzing energy markets and designing sound energy policies. Organized into 14 chapters, this book first discusses the energy economics in developing countries; integrated national energy planning (INEP) in developing countries; energy pricing; practical application of INEP using microcomputers; and energy strategies for oil-importing developing countries. Subsequent chapters describe the energy demand management and conservation; national energy policy implementation; energy demand analysis and forecasting; and energy project evaluation and planning. Other chapters explore non-conventional energy project analysis and national energy policy; rural energy issues and supply options; and bioenergy management policy. Rural-industrial energy and fossil fuel issues, as well as energy R&D decision-making in developing countries, are also presented. As the issues in this book are very important, this book will be helpful to a wide and appreciative audience.

Investment for Health and Well-being Yale University Press

Financial globalization has increased dramatically over the past three decades, particularly for advanced economies, while emerging market and developing countries experienced more moderate increases. Divergences across countries stem from different capital control regimes, and factors such as institutional quality and domestic financial development. Although, in principle, financial globalization should enhance international risk sharing, reduce macroeconomic volatility, and foster economic growth, in practice its effects are less clear-cut. This paper envisages a gradual and orderly sequencing of external financial liberalization and complementary reforms in macroeconomic policy framework as essential components of a successful liberalization strategy.

Performance Management in the Public Sector Health Policy

This book represents a milestone in the progression of Data Envelopment Analysis (DEA). It is the first reference text which includes a comprehensive review and comparative discussion of

the basic DEA models. The development is anchored in a unified mathematical and graphical treatment and includes the most important modeling extensions. In addition, this is the first book that addresses the actual process of conducting DEA analyses including combining DEA and 1 parametric techniques. The book has three other distinctive features. It traces the applications driven evolution and diffusion of DEA models and extensions across disciplinary boundaries. It includes a comprehensive bibliography to serve as a source of references as well as a platform for further developments. And, finally, the power of DEA analysis is demonstrated through fifteen novel applications which should serve as an inspiration for future applications and extensions of the methodology. The origin of this book was a Conference on New Uses of DEA in 2 Management and Public Policy which was held at the IC Institute of the University of Texas at Austin on September 27-29, 1989. The conference was made possible through NSF Grant #SES-8722504 (A. Charnes and 2 W. W. Cooper, co-PIs) and the support of the IC Institute.

Truth Or Economics John Wiley & Sons

This book argues that records management can contribute to public sector reform and transformation in the new climate of austerity, without losing its essential characteristics. Over the last 15 years, records management has prospered, tackling problems of electronic information and building a strong case for information governance based on a model of regulation and management control. The public sector environment is now changing rapidly, with more emphasis on efficiency, flexibility and innovation, devolving control, loosening regulation, and cutting budgets. By linking practical ideas about the use and management of knowledge, the author will draw on insights from the study of policy-making and programme delivery to show how managing the relationship between records and knowledge, their creation and use, can not only make an important contribution to public sector innovation in itself, but also reconcile the demands of regulation through a wider concept of the governance of knowledge as well as information. - Draws on practical real-world examples - Focuses on how records management can respond to the challenges of transformation in this period of public sector retrenchment, as yet little discussed elsewhere - Integrates concepts from records and knowledge management in a coherent applied framework, and locates this within the context of policy-

making and delivery, to achieve positive benefits

Anatomy and Consequences of Exchange Control Regimes

Springer Science & Business Media

1 DATA ENVELOPMENT ANALYSIS Data Envelopment Analysis (DEA) was initially developed as a method for assessing the comparative efficiencies of organisational units such as the branches of a bank, schools, hospital departments or restaurants. The key in each case is that they perform feature which makes the units comparable the same function in terms of the kinds of resource they use and the types of output they produce. For example all bank branches to be compared would typically use staff and capital assets to effect income generating activities such as advancing loans, selling financial products and carrying out banking transactions on behalf of their clients. The efficiencies assessed in this context by DEA are intended to reflect the scope for resource conservation at the unit being assessed without detriment to its outputs, or alternatively, the scope for output augmentation without additional resources. The efficiencies assessed are comparative or relative because they reflect scope for resource conservation or output augmentation at one unit relative to other comparable benchmark units rather than in some absolute sense. We resort to relative rather than absolute efficiencies because in most practical contexts we lack sufficient information to derive the superior measures of absolute efficiency. DEA was initiated by Charnes Cooper and Rhodes in 1978 in their seminal paper Charnes et al. (1978). The paper operationalised and extended by means of linear programming production economics concepts of empirical efficiency put forth some twenty years earlier by Farrell (1957).

The Measurement of Productive Efficiency and Productivity Growth Elsevier

Annotation Options and guidelines for measuring the efficiency of recently privatized utilities (electricity, gas, water, sewerage, telecommunications, airports, ports, rail).

Advances In Data Envelopment Analysis Springer Science & Business Media

The aim of this encyclopedia is to provide a comprehensive reference work on scientific and other scholarly research on the quality of life, including health-related quality of life research or also called patient-reported outcomes research. Since the 1960s two overlapping but fairly distinct research communities and

traditions have developed concerning ideas about the quality of life, individually and collectively, one with a fairly narrow focus on health-related issues and one with a quite broad focus. In many ways, the central issues of these fields have roots extending to the observations and speculations of ancient philosophers, creating a continuous exploration by diverse explorers in diverse historic and cultural circumstances over several centuries of the qualities of human existence. What we have not had so far is a single, multidimensional reference work connecting the most salient and important contributions to the relevant fields. Entries are organized alphabetically and cover basic concepts, relatively well established facts, lawlike and causal relations, theories, methods, standardized tests, biographic entries on significant figures, organizational profiles, indicators and indexes of qualities of individuals and of communities of diverse sizes, including rural areas, towns, cities, counties, provinces, states, regions, countries and groups of countries.

Handbook of Health Economics Elsevier

A Practitioner's Guide to Stochastic Frontier Analysis Using Stata provides practitioners in academia and industry with a step-by-step guide on how to conduct efficiency analysis using the stochastic frontier approach. The authors explain in detail how to estimate production, cost, and profit efficiency and introduce the basic theory of each model in an accessible way, using empirical examples that demonstrate the interpretation and application of models. This book also provides computer code, allowing users to apply the models in their own work, and incorporates the most recent stochastic frontier models developed in academic literature. Such recent developments include models of heteroscedasticity and exogenous determinants of inefficiency, scaling models, panel models with time-varying inefficiency, growth models, and panel models that separate firm effects and persistent and transient inefficiency. Immensely helpful to applied researchers, this book bridges the chasm between theory and practice, expanding the range of applications in which production frontier analysis may be implemented.

Handbook of Computable General Equilibrium Modeling

Cambridge University Press

Modern textbook presentations of production economics typically treat producers as successful optimizers. Conventional econometric practice has generally followed this paradigm, and

least squares based regression techniques have been used to estimate production, cost, profit and other functions. In such a framework deviations from maximum output, from minimum cost and cost minimizing input demands, and from maximum profit and profit maximizing output supplies and input demands, are attributed exclusively to random statistical noise. However casual empiricism and the business press both make persuasive cases for the argument that, although producers may indeed attempt to optimize, they do not always succeed. This book develops econometric techniques for the estimation of production, cost and profit frontiers, and for the estimation of the technical and economic efficiency with which producers approach these frontiers. Since these frontiers envelop rather than intersect the data, and since the authors continue to maintain the traditional econometric belief in the presence of external forces contributing to random statistical noise, the work is titled Stochastic Frontier Analysis.

Data Envelopment Analysis: Theory, Methodology, and Applications Oxford University Press

Provides a comprehensive approach to productivity and efficiency analysis using economic and econometric theory.

Statistics of Communications Common Carriers Now Publishers

Your no-nonsense guide to microeconomics The study of microeconomics isn't for the faint of heart. Fortunately, *Microeconomics For Dummies* is here to help make this tough topic accessible to the masses. If you're a business or finance major looking to supplement your college-level microeconomics coursework—or a professional who wants to expand your general economics knowledge into the microeconomics area—this friendly and authoritative guide will take your comprehension of the subject from micro to macro in no time! Cutting through confusing jargon and complemented with tons of step-by-step instructions and explanations, it helps you discover how real individuals and businesses use microeconomics to analyze trends from the bottom up in order to make smart decisions. Snagging a job as an economist is fiercely competitive—and highly lucrative. Having microeconomics under your belt as you work toward completing your degree will put you head and shoulders above the competition and set you on the course for career advancement once you land a job. So what are you waiting for? Analyze small-scale market mechanisms Determine the elasticity of products

within the market systems Decide upon an efficient way to allocate goods and services Score higher in your microeconomics class Everything you need to make microeconomics your minion is a page away!

An Introduction to Efficiency and Productivity Analysis

International Monetary Fund

Efficiency Analysis details the important econometric area of efficiency estimation, both past approaches as well as new methodology. There are two main camps in efficiency analysis: that which estimates maximal output and attributes all departures from this as inefficiency, known as Data Envelopment Analysis (DEA), and that which allows for both unobserved variation in output due to shocks and measurement error as well as inefficiency, known as Stochastic Frontier Analysis (SFA). This volume focuses exclusively on SFA. The econometric study of efficiency analysis typically begins by constructing a convoluted error term that is composed on noise, shocks, measurement error, and a one-sided shock called inefficiency. Early in the development of these methods, attention focused on the proposal of distributional assumptions which yielded a likelihood function whereby the parameters of the distributional components of the convoluted error could be recovered. The field evolved to the study of individual specific efficiency scores and the extension of these methods to panel data. Recently, attention has focused on relaxing the stringent distributional assumptions that are commonly imposed, relaxing the functional form assumptions commonly placed on the underlying technology, or some combination of both. All told exciting and seminal breakthroughs have occurred in this literature, and reviews of these methods are needed to effectively detail the state of the art. The generality of SFA is such that the study of efficiency has gone beyond simple application of frontier methods to study firms and appears across a diverse set of applied milieus. This review should appeal to those outside of the efficiency literature seeking to learn about new methods which might assist them in uncovering phenomena in their applied area of interest.

Encyclopedia of Quality of Life and Well-Being Research

Routledge

The sharp realities of financial globalization become clear during crises, when winners and losers emerge. Crises usher in short- and long-term changes to the status quo, and everyone agrees

that learning from crises is a top priority. The Evidence and Impact of Financial Globalization devotes separate articles to specific crises, the conditions that cause them, and the longstanding arrangements devised to address them. While other books and journal articles treat these subjects in isolation, this volume presents a wide-ranging, consistent, yet varied specificity. Substantial, authoritative, and useful, these articles provide material unavailable elsewhere. - Substantial articles by top scholars sets this volume apart from other information sources - Rapidly developing subjects will interest readers well into the future - Reader demand and lack of competitors underline the high value of these reference works

Introduction to the Theory and Application of Data Envelopment Analysis Cambridge University Press

This work focuses on measuring and explaining producer performance. The authors view performance as a function of the state of technology and economic efficiency, with the former defining a frontier relation between inputs and outputs; the former incorporating waste and misallocation relative to this frontier. They show that insights can be gained by allowing for the possibility of a divergence between the economic objective and actual performance, and by associating this inefficiency with causal variables subject to managerial or policy influence. Derived from a series of lectures held on techniques and applications of the three approaches to the construction of production frontiers and measure of efficiency, this work will be an essential reference to scholars of a variety of disciplines who are involved with quantitative methods or policy.

Efficiency Analysis Academic Press

The Encyclopedia of Health Economics offers students, researchers and policymakers objective and detailed empirical analysis and clear reviews of current theories and policies. It helps practitioners such as health care managers and planners by providing accessible overviews into the broad field of health economics, including the economics of designing health service finance and delivery and the economics of public and population health. This encyclopedia provides an organized overview of this diverse field, providing one trusted source for up-to-date research and analysis of this highly charged and fast-moving subject area. Features research-driven articles that are objective, better-crafted, and more detailed than is currently available in journals

and handbooks Combines insights and scholarship across the breadth of health economics, where theory and empirical work increasingly come from non-economists Provides overviews of key policies, theories and programs in easy-to-understand language
The Measurement of Productive Efficiency Elsevier
Essays on Microeconomics and Industrial Organisation aim to serve as a source and work of reference and consultation for the

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field of Microeconomics in general and of Industrial Organisation in particular. Traditionally, Microeconomics is essentially taught as theory and hardly ever an estimation of a demand, production and cost function is offered . Over the last two decades, however, Microeconomics has greatly broadened its field of empirical application. Therefore, this text combines microeconomic theories

with a variety of empirical cases. The standardised microeconomic analysis of demand, production and costs is set forth along with appropriate econometric techniques. The text consists of four parts: Demand, Production and Costs (Supply), Market and Industrial Structure and Failure of Market and Industrial Regulation. It includes eleven new chapters with respect to the first edition.