

Guide To The Economic Evaluation Of Projects

Since its introduction in 1979, CHEAPO, a computer based economic analysis program, has allowed users of the Stand Prognosis Model to evaluate silvicultural alternatives from an economic point of view. Subsequent modifications to the Prognosis Model have rendered CHEAPO obsolete. This users guide covers a new computer model, CHEAPO II, which is compatible with version 5.1 of the Prognosis Model and expands its economic analysis capabilities.

In this book the authors explore the state of the art on efficiency measurement in health systems and international experts offer insights into the pitfalls and potential associated with various measurement techniques. The authors show that: - The core idea of efficiency is easy to understand in principle - maximizing valued outputs relative to inputs, but is often difficult to make operational in real-life situations - There have been numerous advances in data collection and availability, as well as innovative methodological approaches that give valuable insights into how efficiently health care is delivered - Our simple analytical framework can facilitate the development and interpretation of efficiency indicators.

A revision of the very successful first edition with all chapters thoroughly reviewed and updated. Presents a means of rapid, inexpensive financial comparison among a group of projects as well as the more mathematically sophisticated, popular, but not necessarily accurate methods. The chapter on depreciation has been rewritten to reflect new tax laws. Discusses the impact of interest rates and income tax considerations on project evaluation. Includes expanded use of small computers with practical BASIC programs for computing depreciation, cash flow, present value, and more.

It is becoming increasingly important to examine the relationship between the outcomes of a clinical trial and the costs of the medical therapy under study. The results of such analysis can affect reimbursement decisions for new medical technologies, drugs, devices or diagnostics. It can aid companies seeking to make claims about the cost-effectiveness of their product, as well as allowing early consideration of the economic value of therapies which may be important to improving initial adoption decisions. It is also vital for addressing the requirements of regulatory bodies. Economic Evaluation in Clinical Trials provides practical advice on how to conduct cost-effectiveness analyses in controlled trials of medical therapies. This new edition has been extensively rewritten and revised; topics discussed range from design issues such as the types of services that should be measured and price weights, to assessment of quality-adjusted life years. Illustrative materials, case histories and worked examples are included to encourage the reader to apply the methods discussed. These exercises are supported with datasets, programmes and solutions made available online.

Guidelines for the Economic Analysis of Projects

Non-Communicable Disease Prevention: Best Buys, Wasted Buys and Contestable Buys

Cost-Effectiveness in Health and Medicine

Cost-Benefit Analysis for Development

A Manual for the Economic Evaluation of Energy Efficiency and Renewable Energy Technologies

Health Services Research Methods

The past decade has seen increased attention to cost-effectiveness and benefit-cost analysis in education as administrators are being asked to accomplish more with the same or even fewer resources, philanthropists are keen to calculate their "return on investment" in social programs, and the general public is increasingly scrutinizing how resources are allocated in schools and colleges. Economic Evaluation in Education: Cost-Effectiveness and Benefit-Cost Analysis (titled Cost-Effectiveness Analysis: Methods and Applications in its previous editions) is the only full-length book to provide readers with the step-by-step methods they need to plan and implement a benefit-cost analysis in education. Authors Henry M. Levin, Patrick J. McEwan, Clive Belfield, Alyshia Brooks Bowden, and Robert Shand examine a range of issues, including how to identify, measure, and distribute costs; how to measure effectiveness, utility, and benefits; and how to incorporate cost evaluations into the decision-making process. The updates to the Third Edition reflect the considerable methodological development in the evaluation literature, and the greater empiricism practiced by education researchers, to help readers learn to apply more advanced methods to their own analyses.

This book is open access under a CC BY 4.0 license. This book presents methods to evaluate sustainable development using economic tools. The focus on sustainable development takes the reader beyond economic growth to encompass inclusion, environmental stewardship and good governance. Sustainable Development Goals (SDGs) provide a framework for outcomes. In illustrating the SDGs, the book employs three evaluation approaches: impact evaluation, cost-benefit analysis and objectives-based evaluation. The innovation lies in connecting evaluation tools with economics. Inclusion, environmental care and good governance, thought of as "wicked problems", are given centre stage. The book uses case studies to show the application of evaluation tools. It offers guidance to evaluation practitioners, students of development and policymakers. The basic message is that evaluation comes to life when its links with socio-economic, environmental, and governance policies are capitalized on.

Make more informed project investment decisions by knowing what issues in the planning process and how to analyze their impacts Poor or insufficient planning is primarily responsible for the inordinate number of idle and rusting capital facilities around the world, with investment decisions often made on the basis of either intuition or inadequate analysis. Investment Project Design: A Guide to Financial and Economic Analysis with Constraints alerts potential investors and other stakeholders to precipitous changes in the investment milieu as a result of constraints on resources and infrastructure, economic and political turmoil, and population growth. The guide includes descriptions of specific methods of financial and economic analysis for new investments and for expansion of an existing enterprise Covers project risk assessment, mitigation and avoidance Provides real-life case studies, adapted for presentation, and addresses the design of projects large and small, as well as those in both private and public sectors Features spreadsheet layouts and computations Investment Project Design is the ultimate resource in the methods of designing and appraising investment projects

Economic Evaluation in Genomic Medicine introduces health economics and economic evaluation to genomic clinicians and researchers, while also introducing the topic to health economists. Each chapter includes an executive summary, questions, and case studies, along with supplementary online materials, including process guides, maps, flow charts, diagrams, and economic evaluation spreadsheets to enhance the learning process. The text can easily be used as course material for related graduate and undergraduate courses, providing a succinct overview of the existing, state-of-the-art application of economic evaluation to genomic healthcare and precision medicine. Interrelates economic evaluation and genomic medicine Instructs healthcare professionals and bioscientists about economic evaluation in genomic medicine Teaches health economists about application of economic evaluation in genomic medicine Introduces health economics and economic evaluation to clinicians and researchers involved in genomics Includes process guides, maps, flow charts and diagrams

How to Make Measurement Matter for Policy and Management

Economic Evaluation of Pharmacy Services

Methods for the Economic Evaluation of Health Care Programmes

User's Guide to CHEAPO II

Quantifying Health Equity Impacts and Trade-Offs

The Guide to Community Preventive Services

As public accountability has increased and resources have become scarcer, public health, like clinical medicine, has been forced to re-examine the benefits and costs of its activities. Decision and economic analysis are basic tools in carrying out that mission. These methods have become standard practice in clinical medicine and health services research. This book , now in its second edition, was written in an effort to apply and adapt that experience with public health situations.The book was originally written to introduce Centers for Disease Control and Prevention staff to the concepts of decision and economic analysis, to provide guidance on methods to maximize comparability of studios, and to provide access to frequently used reference information. It has been adapted to meet the needs of scientists and managers in state and local health departments and managed care organizations as well as students in schools of public health and clinicians for an introductory text --a text that shows how these methods can be applied in population-based practice, to facilitate better comparability of studies, and to solidify understanding of the scientific basis for use of these tools in decision making. Decision makers will learn how these studies are conducted so they can be critical consumers-- understanding the strengths and limitations- and apply findings to policy and practice.The second edition updates and expands upon the standard methodology for conducting prevention effectiveness analyses. Each chapter has been revised or re-written. The chapters on measuring effectiveness, decision analysis, and making information useful for decision makers as well as several appendices are entirely new.

An up to date account of all that is known about the key methods used in health services research. It describes the uses and limitations of the principal methods based on the findings of the NHS Health Technology Assessment Programme. Each chapter makes suggestions for best practice.

Most economic evaluations of health care programmes at the moment are cost effectiveness and cost-utility analyses. The problem with these methods is that their theoretical foundations are unclear. This has led to confusion about how to define the costs and health effects and how to interpret the results of these studies. In the environmental and traffic safety fields it is instead common to carry out traditional cost-bene:fit analyses of health improving programmes. This striking difference in how health programmes are assessed in different fields was the original motivation for writing this book. The aim of the book is to try and provide a coherent framework within cost-bene:fit analysis and welfare economics for the different methods of economic evaluation in the health care field. The book is written in an easily accessible manner and several examples of applications of the different methods are provided. It is my hope that it will be useful both for teaching purposes and as a guide for practitioners in the field. Glenn C. Blomquist, John D. Graham, Rich O'Conor and four anonymous referees provided helpful comments on previous versions of the manuscript. I would also like to express my gratitude to the following persons for helping me to prepare the manuscript: Carl-Magnus Berglund, Carin Blanksvard, Ann Brown, and Ziad Obeid.

The second edition of this popular title in the Supportive Care series focuses on the aetiology, diagnosis and management of respiratory diseases, emphasising symptoms, quality of life and psychosocial support. The underlying theme of the book is the application of modern research-based knowledge, in a humane way, for those with advancing disease.

A Practical Guide

The Economic Analysis of Public Policy

Theory and Applications

Guide to the economic evaluation of irrigation projects

Guide on Economic Evaluation of Refurbishment-replacement Decisions on Generators

Economic Analysis of Stand Prognosis Model Outputs

This book provides advanced theoretical and applied tools for the implementation of modern micro-econometric techniques in evidence-based program evaluation for the social sciences. The author presents a comprehensive toolbox for designing rigorous and effective ex-post program evaluation using the statistical software package Stata. For each method, a statistical presentation is developed, followed by a practical estimation of the treatment effects. By using both real and simulated data, readers will become familiar with evaluation techniques, such as regression-adjustment, matching, difference-in-differences, instrumental-variables and regression-discontinuity-design and are given practical guidelines for selecting and applying suitable methods for specific policy contexts.

The gold standard for evidence-based public health, The Guide to Community Preventive Services is a primary resource to improve health and prevent disease in states, communities, independent, nonfederal Task Force on Community Preventive Services, The Guide uses comprehensive systemic review methods to evaluate population-oriented health interventions. The recommendations of the Task Force are explicitly linked to the scientific evidence developed during systematic reviews. This volume examines the effectiveness and efficiency of interventions to combat such risky behaviors as tobacco use, physical inactivity, and violence; to reduce the impact and suffering of specific conditions such as cancer, diabetes, vaccine-preventable diseases, and motor vehicle injuries; and to address social determinants oh health such as education, housing, and access to care. The chapters are grouped into three broad categories: changing risk behaviors; reducing specific diseases, injuries, and impairments; and methodological background for the book itself. Since its publication in 1987, Methods for the economic evaluation of health care programmes has become the standard textbook in this field world-wide. Over the past ten years, the field of economic evaluation in health care has expanded considerably, with a rapid rise in the number of published studies, and wider recognition of their use in health care decision-making. Developments in economic evaluation have also led to the publication of several guidelines for study methodology, most recently those proposed by the United States Public Health Services Panel. The new edition of Methods for the economic evaluation of health care programmes follows the same basic structure as the first edition. The key methodological principles are outlined using a critical appraisal checklist that can be applied to any published study. The methodological features of the basic forms of analysis (cost analysis, cost-effectiveness analysis, cost-utility analysis, and cost-benefit analysis) are then explained in more detail. The book has been greatly revised and enlarged, especially with respect to cost-utility and cost- benefit analysis, where major methodological developments have taken place. New to this edition are chapters on collecting and analysing data, and presenting and using economic evaluation results. The new edition will be required reading for anyone commissioning, undertaking, or using economic evaluations in health care, and will be popular with health service professionals, health economists, and health-care decision makers. Reviews of the first edition: 'An important contribution to studies on the economic evaluation of medical care...' (British Medical Journal) 'This is essential reading. Only if all managers are aware of the powers of economic techniques will they be used sensibly' (The Health Service Journal (UK) 'The methodological chapters on cost analysis and cost utility analysis are gems... should become the standard text on the subject at the intermediate level at which it is aimed.' (Medical Decision Making) 'It leaves nothing important in economic evaluation analysis untouched.' (Health Policy and Planning)

This book provides the reader with a comprehensive set of instructions and examples of how to perform an economic evaluation of a health intervention, focusing solely on cost-effectiveness analysis in healthcare.

Guide for Economic Evaluation of Nuclear Reactor Plant Designs

Economic Evaluation of Sustainable Development

Supportive Care in Respiratory Disease

Guide for the Economic Evaluation of Engineering Projects

A Guide to Best Practice

An Introduction to Economic Evaluation

Health inequalities blight lives, generate enormous costs, and exist everywhere. This book is the definitive all-in-one guide for anyone who wishes to learn about, commission, and use distributional cost-effectiveness analysis to promote both equity and efficiency in health and healthcare.

Project economic analysis is a tool used by the Asian Development Bank (ADB) to ensure that ADB operations comply with its Charter. The guidelines in this publication are a revised version of the 1997 edition. The revision responds to the changing development context and ADB operational priorities, and aims to address the recommendations of the ADB Quality-at-Entry Assessments for more methodological work on project economic analysis. The revised guidelines provide general principles for the conduct of project economic analysis, and should be read together with handbooks, technical reports, and other reference materials published by ADB dealing with sector-specific project economic analysis in detail.

Non-communicable diseases (NCDs) are the leading cause of death worldwide, contributing to over 73% of all deaths annually. Each day NCDs cause more than 100,000 deaths, 80% of which occur in low- and middle-income countries. NCDs, however, are largely preventable, and a great deal of technical knowledge exists about how to prevent and manage them. Why, then, have we, as a global community, not been more successful at reducing this NCD burden? Does a universal problem not have a universal solution? Created by an international consortium of experts, this informative and accessible book provides practical guidelines, key learning points, and dynamic, real-world case studies to aid NCD program managers, policy officers and decision-makers in low- and middle-income countries, so that they can assess interventions for the prevention and control of NCDs. The book was commissioned by the Prince Mahidol Award Conference (PMAAC), an annual international conference centred on policy of global significance related to public health. Non-Communicable Disease Prevention: Best Buys, Wasted Buys and Contestable Buys emphasises the importance of context in NCD control and prevention, arguing that the success of an intervention lies in an ability to respond to local needs and environments. The book comprises ten chapters, which collectively explore the reasons behind, and strategies for, preventing and managing the NCD burden. It spans key themes such as political economy, the transferability of economic evidence, the role of cross-sectoral policies, the importance of deliberative processes, and health technology assessment. This book is written for the benefit of the global health community, and is primarily targeted at those individuals who are involved in NCD programs. This book will also be of interest to NCD champions, policy advocates, and educators spearheading the movement for increased visibility of NCDs.

Economic Analysis in Health Care, Second Edition is intended as a core textbook for advanced undergraduate and postgraduate students of health economics. The authors provide comprehensive coverage of the field of economics in health care and the evaluation of health care technologies. This new edition has been fully updated with up-to-date case studies from the UK, Europe and the Rest of the World. It includes a new chapter on health care labour markets and contains new material integrated throughout the text on the economics of public health. Adopts an international perspective towards topics in health economics Creates a useful balance of theoretical treatment and practical application throughout the book Focuses on both market-related and economic evaluation aspects of health economics.

A Guide to Financial and Economic Analysis with Constraints

Engineering Economic Analysis

Distributional Cost-Effectiveness Analysis

Theory and Methods of Economic Evaluation of Health Care

Cost-Effectiveness and Benefit-Cost Analysis

Economic Evaluation of Pharmacy Services provides the latest on the trend to a more product-centered and service-centered practice, eschewing traditional economic evaluation techniques that focus on product-to-product comparisons in favor of evaluating processes that measure costs and health outcomes. Complete with examples focusing on best practices, including various study designs, types of pharmacy services, and types of outcomes being evaluated, the book emphasizes case studies and examples that help readers understand economic evaluation techniques. Many of these techniques are transferable across countries, especially where there are advanced and stable health systems in place. With the help of this practical guide, readers will gain a thorough understanding of the application of economic evaluation of pharmacy services. Delivers a practical guide for conducting economic evaluations of hospital and community pharmacy services Documents the literature around health economic evaluation and innovative pharmacy services Guides the development of a standardized health economic evaluation tool to evaluate these services

In today's world of scare resources, determining the optimal allocation of funds to preventive health care interventions (PHIs) is a challenge. The upfront investments needed must be viewed as long term projects, the benefits of which we will experience in the future. The long term positive change to PHIs from economic investment can be seen across multiple sectors such as health care, education, employment and beyond. Applied Health Economics for Public Health Practice and Research is the fifth in the series of Handbooks in Health Economic Evaluation. It presents new research on health economics methodology and application to the evaluation of public health interventions. Looking at traditional as well as novel methods of economic evaluation, the book covers the history of economics of public health and the economic rationale for government investment in prevention. In addition, it looks at principles of health economics, evidence synthesis, key methods of economic evaluation with accompanying case studies, and much more. Looking to the future, Applied Health Economics for Public Health Practice and Research presents priorities for research in the field of public health economics. It acknowledges the role played by natural environment in promoting better health, and the place of genetics, environment and socioeconomic status in determining population health. Ideal for health economists, public health researchers, local government workers, health care professionals, and those responsible for health policy development. Applied Health Economics for

Public Health Practice and Research is an important contribution to the economic discussion of public health and resource allocation.

Preceded by: *Cost-effectiveness in health and medicine* / edited by Marthe R. Gold ... [et al.]. New York: Oxford University Press, 1996.

Petroleum Economics and Risk Analysis: A Practical Guide to E&P Investment Decision-Making, Volume 69, is a practical guide to the economic evaluation, risk evaluation and decision analysis of oil and gas projects through all stages of the asset lifecycle, from exploration to late life opportunities. This book will help readers understand and make decisions with regard to petroleum investment, portfolio analysis, discounting, profitability indicators, decision tree analysis, reserves accounting, exploration and production (E&P) project evaluation, and E&P asset evaluation. Includes case studies and full color illustrations for practical application Arranged to reflect lifecycle structure, from exploration through to decommissioning Demonstrates industry-standard decision-making techniques as applied to petroleum investments in the oil and gas industry

Econometric Evaluation of Socio-Economic Programs

Economic Analysis in Healthcare

Applied Methods of Cost-effectiveness Analysis in Healthcare

A Guide to Economic Evaluation of Engineering Projects

Investment Project Design

Economic Evaluation in Genomic Medicine

*Prevention EffectivenessA Guide to Decision Analysis and Economic Evaluation*Oxford University Press

The Asian Development Bank (ADB) has been continuously undertaking measures to enhance the effectiveness of its operations. To improve projects both at the preparation and implementation stages, ADB issued the Guidelines for Economic Analysis of Projects in 1997 as a means to enhancing project quality at entry. The conduct of proper economic analysis helps ensure the efficient use of development funds and public resources and thereby increase aid effectiveness. This practical guide is a supplement to the Guidelines for the Economic Analysis of Projects. It provides an overview of recent methodological developments in cost-benefit analysis as well as suggested improvements in the economic analysis of projects in selected sectors through case studies. These case studies illustrate the application of suggested methodologies, taking into account sector-specific needs, as well as difficulties faced by practitioners in terms of data and time constraints during project processing. It also aims to contribute to ADB's capacity building initiatives as this will be the main reference material for conduct of economic analysis.

A critical analysis of public policy decisions requires a far greater depth of knowledge than one receives from news reports and political speeches. Issues such as how best to reduce traffic congestion, reduce acid rain, improve airline safety or develop a parcel of land are better understood by organizing, measuring and weighing the effects of alternative policies. William K. Bellinger's new text book is an ideal introduction to benefit-cost analysis, the economics of efficiency, risk analysis and present value discounting for those with only a modest background in mathematics and economics. Bellinger presents the key concepts for analyzing public policy with frequent problems, discussion questions and case studies throughout the book. Placing a great emphasis on teaching as well as sharing knowledge, this book encourages its readers to both understand and apply each concept and learn to appreciate policy analysis as part of an interdisciplinary, analytical and political process that can lead to better government policy decisions. This book is an ideal teaching tool for undergraduate and Master's students engaged in Public Administration, Public Economics, and Public Policy.

A Practical Guide to the Economic Analysis of Non-Tariff Measures is a joint-publication by the United Nations Conference on Trade and Development and the World Trade Organization. This publication provides the main tools for the analysis and empirical assessment of the trade effects of Non-Tariff Measures. Written by experts with practical experience in the field, this publication outlines the major concepts of the economic analysis of Non-Tariff Measures and contains practical guidance on how to apply them to concrete policy questions.

Health Economics

Merging Theory with Practice

A Practical Guide to E&P Investment Decision-Making

Health System Efficiency

Petroleum Economics and Risk Analysis

What Works to Promote Health?

A Manual for the Economic Evaluation of Energy Efficiency and Renewable Energy Technologies provides guidance on economic evaluation approaches, metrics, and levels of detail required, while offering a consistent basis on which analysts can perform analyses using standard assumptions and bases. It not only provides information on the primary economic measures used in economic analyses and the fundamentals of finance but also provides guidance focused on the special considerations required in the economic evaluation of energy efficiency and renewable energy systems.

"To accompany Methods for Economic Evaluation of Health Care Programmes 2e', this book is a thorough and rigorous discussion of the methodological principles and recent advances in the field of theory and practice of economic evaluation in health care."--publisher website. In financially constrained health systems across the world, increasing emphasis is being placed on the ability to demonstrate that health care interventions are not only effective, but also cost-effective. This book deals with decision modelling techniques that can be used to estimate the value for money of various interventions including medical devices, surgical procedures, diagnostic technologies, and pharmaceuticals. Particular emphasis is placed on the importance of the appropriate representation of uncertainty in the evaluative process and the implication this uncertainty has for decision making and the need for future research. This highly practical guide takes the reader through the key principles and approaches of modelling techniques. It begins with the basics of constructing different forms of the model, the population of the model with input parameter estimates, analysis of the results, and progression to the holistic view of models as a valuable tool for informing future research exercises. Case studies and exercises are supported with online templates and solutions. This book will help analysts understand the contribution of decision-analytic modelling to the evaluation of health care programmes. ABOUT THE SERIES: Economic evaluation of health interventions is a growing specialist field, and this series of practical handbooks will tackle, in-depth, topics superficially addressed in more general health economics books. Each volume will include illustrative material, case histories and worked examples to encourage the reader to apply the methods discussed, with supporting material provided online. This series is aimed at health economists in academia, the pharmaceutical industry and the health sector, those on advanced health economics courses, and health researchers in associated fields.

Decision Modelling for Health Economic Evaluation

A Guide to Decision Analysis and Economic Evaluation

Economic Evaluation in Education

Introduction to Health Economics Concepts - A Beginners Guide

Economic Evaluation in Clinical Trials

Applied Health Economics for Public Health Practice and Research