Project Analysis And Evaluation

This book provides a self-contained presentation of the statistical tools required for evaluating public programs, as advocated by many governments, the World Bank, the European Union, and the Organization for Economic Cooperation and Development. After introducing the methodological framework of program evaluation, the first chapters are devoted to the collection, elementary description and multivariate analysis of data as well as the estimation of welfare changes. The book then successively presents the tools of ex-ante methods (financial analysis, budget planning, cost-benefit, cost-effectiveness and multi-criteria evaluation) and ex-post methods (benchmarking, experimental and quasi-experimental evaluation). The step-by-step approach and the systematic use of numerical illustrations equip readers to handle the statistics of program evaluation. It not only offers practitioners from public administrations, consultancy firms and nongovernmental organizations the basic tools and advanced techniques used in program assessment, it is also suitable for executive management training, upper undergraduate and graduate courses, as well as for self-study.

Planning and Evaluation of Irrigation Projects: Methods and Implementation presents the considerations, options and factors necessary for effective implementation of irrigation strategies, going further to provide methods for evaluating the efficiency of systems-in-place for remedial correction as needed. As the first book to take this lifecycle approach to agricultural irrigation, it includes real-world examples
not only on natural resource availability concerns, but also on financial impacts and measurements. With 21 chapters divided into two sections, this book is a valuable resource for agricultural and hydrology engineers, conservation scientists and anyone seeking to implement and maintain irrigation systems. Uses real-world examples to present practical insights. Incorporates both planning and evaluation for full-scope understanding and application. Illustrates both potential benefits and limitations of irrigation solutions. Provides potential means to increase crop productivity that can result in improved farm income. For both public and private managers, the book Optimization Methods for a Stakeholder Society is today’s key to answer the problem of a sustainable development world. This world has to take into account the meaning of all stakeholders involved and has to reconcile a number of objectives, such as economic growth, employment and preservation of the ecosystem. Traditional methods, such as cost-benefit, are outmoded as they translate all these objectives into monetary costs, a materialistic approach. On the contrary, objectives have rather to stick to their own units, eventually indicators. This timely book puts transport cost benefit analysis in a wider, institutional perspective, relating it in particular to decision making. The book will be of interest to practitioners, consultants and academics who are active in the evaluation of transport projects. Erik T. Verhoef, VU University Amsterdam, The Netherlands This is an important piece of work on project evaluation. An attractive feature is the balanced treatment of theory and application. The book provides very useful information on efforts of national
governments in various countries to increase the quality of project evaluation studies by formulating guidelines for project evaluation. One of the strong points of the book is that it does not only address technical aspects of project evaluation tools, but also the institutional structures within which decisions are taken. Piet Rietveld, Vrije Universiteit and Tinbergen Institute, Amsterdam, The Netherlands This book revisits traditional evaluation methods, such as cost benefit analysis, to try and find a balance between the ever-increasing demand for transport, the search for sustainable mobility and green transport solutions, and the limited financial resources that governments are able to invest in transport infrastructure projects. In this respect, the effects of transport policy need to be measured and evaluated based on multiple criteria and the need to take into consideration a larger group of stakeholders and investors in transport projects. The book illustrates, methodologically and empirically, why and how the institutional and multi-actor environment impacts upon the analysis, evaluation and decision-making of transport projects in Europe. Including contributions from scholars with considerable expertise in the field, this book will be of great interest to consultants, policymakers and researchers.

Investment Project Design
Project and Policy Evaluation in Transport
Time Stream Analysis and the Intertemporal Aspects of Public Project Evaluation
Transportation Decision Making
Introduction to Project Finance
Family Support - Linking Project Evaluation to Policy Analysis

Table of contents
This book aims to be an introduction and support to the carrying out of financial and economic analysis of a country's projects. It uses a case study of a joint venture between domestic and foreign investors in a developing country to show how the theoretical analysis relates to real life. The financial and economic analyzes are systematically linked. All aspects which are considered significant are treated in separate steps, thereby simplifying the evaluation process for the reader.

This title was first published in 2002: There is a multitude of assessment methods available for analyzing and reporting on the impacts of policies, all with different underlying assumptions and a wide range of criteria. Since the 1950s, much research has gone into creating guidelines for policy analysis, yet only a small percentage of evaluation has been carried out on transport policy - and none by political scientists or social policy specialists. The editors of this volume recognize that European integration has seen a drive to bring policy evaluation on to the transport agenda and has increased demands for 'strategic assessments'. It has become apparent that to gain a fuller understanding of the success of a transport programme, a much more complex combination of analytical methods must be used, and a set of guidelines specifically for the field of transport must be developed. This book achieves this by bringing together a multidisciplinary team of analysts from throughout the EU to discuss in a much broader way the various types of assessment methods and how they can best be used to evaluate transport programmes and systems, both individually and in combination.

This Handbook provides a comprehensive ten-step model that will help guide development practitioners through the process of designing and building a results-based monitoring and evaluation system.

Principles of Project Evaluation and Programming
Planning and Evaluation of Irrigation Projects
Program Evaluation in Practice
The concept of ‘the triple bottom line’ has recently emerged to describe a new framework for development aimed at achieving economic and social balance while maintaining the long-term integrity of ecological systems. This requires measuring not only the economic viability of projects, but also their impact on the environment and their contribution to society. We live in a world where most people are aware of the importance of our environment. The way in which this realisation came about has, in hindsight, not been as simple as could have been expected. Systematic evaluations of the economic viability of projects using discounting date back to the beginning of the last century and are something which has been readily accepted, especially over the last few decades. However, an integrated approach, including environmental and social aspects, is much more recent, and even now, the methods and methodologies for such an approach are still being developed. This volume details the state of the art of the development towards the triple bottom line. It indicates where there is still debate about fundamental principles, where theory has been overlooked in the name of convenience, and where there are still unresolved problems. The discussions provided here will serve
to provide a more detailed understanding of what we do in our calculations, what they mean and the limitations thereof.

The lack of teaching cases in program evaluation is often cited as a gap in the field. This ground-breaking book fills this gap, covering the essentials of program evaluation as it is used in education and with a wide variety of evaluation projects to be discussed, analyzed, and reflected upon. The book covers the essentials of program evaluation, including foundation and types of evaluation, tools for collecting data, writing of reports, and sharing of findings. Individual cases cover classroom instruction, community-based program, teacher training, professional development, a secondary-school based program, after-school program, reading achievement, school-improvement grant, and confidentiality. Each case is structured to include learning objectives, program description, evaluation plan, summary of evaluation activities and findings, key concepts, discussion questions, class activities, and suggested reading. As useful for students as it is for evaluators in training, Program Evaluation in Practice is a must-have for those aspiring to become effective evaluators.

This book provides a non-technical introduction to the fundamental principles and techniques of regional impact and evaluation analysis. The book is written for readers who have a minimal background
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in mathematics and economics and so the materials listed in the bibliographies have been chosen for their accessibility to such readers. References to relevant papers of a more technical nature are indicated in notes in each reference. Unlike existing texts, which usually concentrate on regional impact or evaluation analysis, Regional Economic Impact Analysis and Project Evaluation offers an extensive introduction to both these subjects, since both are critical to the study and practice of regional economic analysis. Two case studies, intended as illustrations of practical applications, are included in each of the six chapters that deal with specific principles or techniques. While many of the case studies and much of the literature cited in the bibliographies is Canadian, a substantial portion is from the United States and Great Britain, demonstrating that the principles and techniques discussed in this book are universally applicable. This volume has been developed as a step-by-step guide for professionals involved in designing, implementing, monitoring and evaluating developmental interventions. It introduces and elucidates the key concepts and procedures involved, starting from the fundamentals of project design and management, the basics of monitoring and evaluation, and the development of a performance monitoring plan to different approaches to monitoring, choosing appropriate evaluation
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designs, approaches to evaluation, the analysis of monitoring and evaluation, and finally implementing this information in a project environment. In order to provide further context, the manual uses real project examples which help in buttressing the understanding of the readers and enable adoption of these practices in such projects.

Energy Research Abstracts
Extending the Social Cost-benefit Approach
Introduction to Cost-Benefit Analysis
Transport Project Evaluation
Financial Appraisal of Investment Projects

The second edition of the Impact Evaluation in Practice handbook is a comprehensive and accessible introduction to impact evaluation for policy makers and development practitioners. First published in 2011, it has been used widely across the development and academic communities. The book incorporates real-world examples to present practical guidelines for designing and implementing impact evaluations. Readers will gain an understanding of impact evaluations and the best ways to use them to design evidence-based policies and programs. The updated version covers the newest techniques for evaluating programs and includes state-of-the-art implementation advice, as well as an expanded set of examples and case studies that draw on recent development challenges. It also includes new material on research ethics and partnerships to conduct impact evaluation. The handbook is divided into four sections: Part One discusses what to evaluate and why; Part Two presents the main impact
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evaluation methods; Part Three addresses how to manage impact evaluations; Part Four reviews impact evaluation sampling and data collection. Case studies illustrate different applications of impact evaluations. The book links to complementary instructional material available online, including an applied case as well as questions and answers. The updated second edition will be a valuable resource for the international development community, universities, and policy makers looking to build better evidence around what works in development.

The collection of papers on social project evaluation. This title was first published in 2000: This book provides an exploration of the link between individualized project evaluation and policy analysis. The conceptual and legislative frameworks which contextualize family support are explored in full. By drawing on existing literature and examining the political and legislative aspects of family support the book aims to provide in one volume accessible and up to date information and discussion of key developments within family support, in the UK and internationally as well as within Northern Ireland where the research is set. Five family support settings are selected for close examination by the research and the key evaluation questions applied. The book details the methodology employed and explores exactly how the settings were organized for family support. Additionally the book seeks to identify needs in the context of family support across the range of settings by examining indicators of potential need. Services appropriate to family support were also analyzed across the range of settings. Finally the book reviews the settings against criteria for the evaluation and development of projects considered to be family support.
A properly conducted project evaluation is essential for a new hospitality business, or in assessing new directions for an existing business. But how should such an evaluation be undertaken? What should the objectives be for such an analysis? What factors should it consider? How should it be presented for maximum effect?

A Guide to Economic Evaluation of Engineering Projects: Methods and Applications to Economic Policy, Public Health, and Education

Methods and Implementation
Project Evaluation

Core Concepts and Examples for Discussion and Analysis

Policy, Program and Project Evaluation

The term "project finance" is now being used in almost every language in every part of the world. It is the solution to infrastructure, public and private venture capital needs. It has been successfully used in the past to raise trillions of dollars of capital and promises to continue to be one of the major financing techniques for capital projects in both developed and developing countries.

Project Finance aims to provide:

* Overview of project finance
* Understanding of the key risks involved in project finance and techniques for mitigating risk
* Techniques for effective evaluation of project finance from both a financial and credit perspective

The author differentiates between recourse and non-recourse funding, tackles the issues of feasibility, identifies the parties normally involved with project finance plans, and details techniques for realistic cash flow preparation.

* Inspired by basic entry level training courses that have been developed by major international banks worldwide
* Will enable students, and those already in the finance profession, to gain an understanding of the basic information and principles of project finance
finance *Includes questions with answers, study topics, practical 'real world' examples and an extensive bibliography*

Make more informed project investment decisions by knowing what issues to examine 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.

This thoroughly updated second edition incorporates key ideas and discussions on issues such as wider economic impacts, the treatment of risk, and the importance of institutional arrangements in ensuring the correct use of technique. Ginés de Rus considers whether public decisions, such as investing in high-speed rail links, privatizing a public enterprise or protecting a natural area, may improve social welfare. Evaluation in recent decades has evolved from a tool for project appraisals to a more widely used framework for public decision-
making and operational management. Most evaluation books are focused on traditional tools of analysis such as cost-effectiveness and cost-benefit analysis to the neglect of modern tools such as multi-criteria evaluation, social marginal cost of funds analysis, data envelopment analysis, results-oriented management and evaluation and theory based evaluations. This edited volume provides an easily accessible and comprehensive survey of both traditional and modern tools of analysis that are used in the evaluation literature to evaluate public projects, programs, policies and policy analysis and advice. The book will be of interest to students, scholars, researchers, practitioners and policy makers.

Guidelines for the Economic Analysis of Projects
Collected Papers
A Practitioners’ Manual on Monitoring and Evaluation of Development Projects
Optimization Methods for a Stakeholder Society
The Basics of Project Evaluation and Lessons Learned
Looking for Reasonable Shortcuts

Infrastructure projects are notoriously hard to manage so it is important that society learns from the successes and mistakes made over time. However, most evaluation methods run into a conundrum: either they cover a large number of projects but have little to say about their details, or they focus on detailed single-case studies with little in terms of applicability elsewhere. This book presents Qualitative Comparative Analysis (QCA) as an alternative evaluation method that solves the conundrum to enhance learning.
Organizations increasingly use projects to undertake major as well as smaller tasks. Projects help target and delimit activities, place the responsibility and transfer risk from the financing to the implementing party. As a result, evaluation has become popular as a tool to control, guide and draw lessons of experience from projects. This book is intended both as a textbook for students and a handbook for project managers. It provides hands-on, easy-to-comprehend lessons about evaluation as a phenomenon, its design, preparation and methodology, as well as the project as a management tool.

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.

Semiannual, with semiannual and annual indexes. References to all scientific and technical literature coming from DOE, its
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laboratories, energy centers, and contractors. Includes all works deriving from DOE, other related government-sponsored information, and foreign nonnuclear information. Arranged under 39 categories, e.g., Biomedical sciences, basic studies; Biomedical sciences, applied studies; Health and safety; and Fusion energy. Entry gives bibliographical information and abstract. Corporate, author, subject, report number indexes.

Implementing the risk analysis in evaluation phase to increase the project value

The Evaluation of Transportation Investment Projects

The Sweden–Ceylon Family Planning Pilot Project. Analysis and Evaluation Undertaken on Behalf of the Swedish International Development Authority, SIDA. By Hannes Hyrenius and Ulla Åhs

A Handbook for Development Practitioners

Intelligent Information and Database Systems

The Use of Cost-benefit Analysis in Project Evaluation

The First Edition of this useful book was popular for its integration of multiple regression with evaluation design and for offering systematic ways to select the proper goals for single- and multiple-outcome evaluations. This revised edition covers new issues and to clarify further the concepts used in
impact analysis. This pioneering text provides a holistic approach to decisionmaking in transportation project development and programming, which can help transportation professionals to optimize their investment choices. The authors present a proven set of methodologies for evaluating transportation projects that ensure that all costs and impacts are taken into consideration. The text's logical organization gets readers started with a solid foundation in basic principles and then progressively builds on that foundation. Topics covered include: Developing performance measures for evaluation, estimating travel demand, and costing transportation projects. Performing an economic efficiency evaluation that accounts for such factors as travel time, safety, and vehicle operating costs. Evaluating a project's impact on economic development and land use as well as its impact on society and culture. Assessing a project's environmental impact, including air quality, noise, ecology, water resources, and aesthetics.
Evaluating alternative projects on the basis of multiple performance criteria. Programming transportation investments so that resources can be optimally allocated to meet facility-specific and system-wide goals. Each chapter begins with basic definitions and concepts followed by a methodology for impact assessment. Relevant legislation is discussed and available software for performing evaluations is presented. At the end of each chapter, readers are provided resources for detailed investigation of particular topics. These include Internet sites and publications of international and domestic agencies and research institutions. The authors also provide a companion Web site that offers updates, data for analysis, and case histories of project evaluation and decision making. Given that billions of dollars are spent each year on transportation systems in the United States alone, and that there is a need for thorough and rational evaluation and decision making for cost-effective system preservation and improvement, this text should be on the desks of all...
transportation planners, engineers, and educators. With exercises in every chapter, this text is an ideal coursebook for the subject of transportation systems analysis and evaluation.


The techniques and methods of project appraisal in developing countries have been considerably expanded and refined since they were first introduced in the late 1960s. This up-to-date and authoritative survey volume demonstrates the ways in which cost-benefit analysis has developed in response to changes in economic circumstances and conditions over the past three decades. An international group of academic and professional economists covers areas including: problems in the practical application of cost-benefit techniques by international agencies, the treatment of income distribution, discounting, the effects method, the logical framework as a complement to project appraisal, aid tying, risk criteria in
decision making, benefit valuation in the water sector, the appraisal of technical assistance projects, privatization in transition economies and shadow pricing in transition economies. Professor Kirkpatrick and Professor Weiss have prepared an insightful overview essay introducing the broad selection of work presented in this volume.

A Unified Approach for the Analysis of Capital Investments
Cost Engineering Analysis
Impact Analysis for Program Evaluation
Third International Conference, ACIIDS 2011, Daegu, Korea, April 20–22, 2011, Proceedings
Making Investments Succeed
A Guide to Qualitative Comparative Analysis

Throughout the world, the use of some kind of a formal transportation project evaluation procedure is a requirement. Yet, by and large, these are partial; in fact, much weight is often placed on the initial -pre-engineering -phases of the planning process, when vital information, such as accurate costs and demand projections, is largely missing. Moreover, many of these
procedures neglect to consider key issues such as project’s risks, capital costs financing, latent demand, market imperfections, labor force availability and various incompatibilities between trip rates, travel times and activity location. As a result, projects, which are judged as viable under such deficient evaluation schemes, may have had a significantly different projection of capital costs and demand should a well-founded, thorough, and efficient evaluation process be used. Against this background, this book’s main objective is to construct a comprehensive and methodical economic, planning and decision-making framework for the evaluation of proposed transportation infrastructure investment projects. Such a framework is founded on four key principles. It is based on well-established economic, transportation and policy-analysis theoretical principles; it is comprehensive enough to encompass all relevant evaluation issues; it is applicable to a wide range of transportation investment projects; and it is amenable to empirical application including a sensitivity analysis and alternative scenarios regarding urban, regional and national developments. For some organizations, Lessons Learned (LL) is an informal process of discussing and
recording project experiences during the closure phase. For others, LL is a formal process that occurs at the end of each phase of a project. Regardless of when they are performed, if you are a project team member, chances are you will soon be required to present

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.

The two-volume set LNAI 6591 and LNCS 6592 constitutes the refereed proceedings of the Third International Conference on Intelligent Information and Database Systems, ACIIDS 2011, held in Daegu, Korea, in April 2011. The 110 revised papers presented together with 2 keynote speeches were carefully reviewed and selected from 310 submissions. The papers
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are thematically divided into two volumes; they cover the following topics: intelligent database systems, data warehouses and data mining, natural language processing and computational linguistics, semantic Web, social networks and recommendation systems, technologies for intelligent information systems, collaborative systems and applications, e-business and e-commerce systems, e-learning systems, information modeling and requirements engineering, information retrieval systems, intelligent agents and multi-agent systems, intelligent information systems, intelligent internet systems, intelligent optimization techniques, object-relational DBMS, ontologies and knowledge sharing, semi-structured and XML database systems, unified modeling language and unified processes, Web services and semantic Web, computer networks and communication systems.

Regional Economic Impact Analysis and Project Evaluation
Cost-benefit Analysis and Project Appraisal in Developing Countries
The Evaluation of Complex Infrastructure Projects
Statistical Tools for Program Evaluation
A ‘Triple Bottom Line’ Approach to Advanced Project Evaluation
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Manual of Industrial Project Analysis in Developing Countries