

Residential Location Choice Models And Applications Advances In Spatial Science

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Econometric Models For Industrial Organization Matthew Shum 2016-12-14 Economic Models for Industrial Organization focuses on the specification and estimation of econometric models for research in industrial organization. In recent decades, empirical work in industrial organization has moved towards dynamic and equilibrium models, involving econometric methods which have features distinct from those used in other areas of applied economics. These lecture notes, aimed for a first or second-year PhD course, motivate and explain these econometric methods, starting from simple models and building to models with the complexity observed in typical research papers. The covered topics include discrete-choice demand analysis, models of dynamic behavior and dynamic games, multiple equilibria in entry games and partial identification, and auction models.

The Public Health Effects of Food Deserts National Research Council 2009-07-02 In the United States, people living in low-income neighborhoods frequently do not have access to affordable healthy food venues, such as supermarkets. Instead, those living in "food deserts" must rely on convenience stores and small neighborhood stores that offer few, if any, healthy food choices, such as fruits and vegetables. The Institute of Medicine (IOM) and National Research Council (NRC) convened a two-day workshop on January 26-27, 2009, to provide input into a Congressionally-mandated food deserts study by the U.S. Department of Agriculture's Economic Research Service. The workshop, summarized in this volume, provided a forum in which to discuss the public health effects of food deserts.

Choice Modelling Stephane Hess 2010-01-15 Contains a selection of the best theoretical and applied papers from the inaugural International Choice Modelling Conference. The conference was organised by the Institute for Transport Studies at the University of Leeds and held in Harrogate, North Yorkshire on 30 March to 1 April 2009.

Location, Transport and Land-Use Yupo Chan 2005-12-05 1. Theme and focus Few books are available to integrate the models for facilities siting, transportation, and land-use. Employing state-of-the-art quantitative-models and case-studies, this book would guide the siting of such facilities as transportation terminals, warehouses, nuclear power plants, military bases, landfills, emergency shelters, state parks, and industrial plants. The book also shows the use of statistical tools for forecasting and analyzing implications of land-use decisions. The idea is that land-use on a map is necessarily a consequence of individual, and often conflicting, siting decisions over time. Since facilities often develop to form a community, these decisions are interrelated spatially—i. e. , they need to be accessible to one another via the transportation system. It is our thesis that a common methodological procedure exists to analyze all these spatial-temporal constructs. While there are several monographs and texts on subjects related to this book's, this volume is unique in that it integrates existing practical and theoretical works on facility-location, transportation, and land-use. Instead of dealing with individual facility-location, transportation, or the resulting land-use pattern individually, it provides the underlying principles that are behind these types of models. Particularly of interest is the emphasis on counter-intuitive decisions that often escape our minds unless deliberate steps of analysis are taken. Oriented toward the fundamental principles of infrastructure management, the book transcends the traditional engineering and planning disciplines, where the main concerns are often exclusively either physical design, fiscal, socioeconomic or political considerations.

Microeconometrics A. Colin Cameron 2005-05-09 This book provides the most comprehensive treatment to date of microeconometrics, the analysis of individual-level data on the economic behavior of individuals or firms using regression methods for cross section and panel data. The book is oriented to the practitioner. A basic understanding of the linear regression model with matrix algebra is assumed. The text can be used for a microeconometrics course, typically a second-year economics PhD course; for data-oriented applied microeconometrics field courses; and as a reference work for graduate students and applied researchers who wish to fill in gaps in their toolkit. Distinguishing features of the book include emphasis on nonlinear models and robust inference, simulation-based estimation, and problems of complex survey data. The book makes frequent use of numerical examples based on generated data to illustrate the key models and methods. More substantially, it systematically integrates into the text empirical illustrations based on seven large and exceptionally rich data sets.

Discrete Choice Modelling and Air Travel Demand Laurie A. Garrow 2016-05-23 In recent years, airline practitioners and academics have started to explore new ways to model airline passenger demand using discrete choice methods. This book provides an introduction to discrete choice models and uses extensive examples to illustrate how these models have been used in the airline industry. These examples span network planning, revenue management, and pricing applications. Numerous examples of fundamental logit modeling concepts are covered in the text, including probability calculations, value of time calculations, elasticity calculations, nested and non-nested likelihood ratio tests, etc. The core chapters of the book are

written at a level appropriate for airline practitioners and graduate students with operations research or travel demand modeling backgrounds. Given the majority of discrete choice modeling advancements in transportation evolved from urban travel demand studies, the introduction first orients readers from different backgrounds by highlighting major distinctions between aviation and urban travel demand studies. This is followed by an in-depth treatment of two of the most common discrete choice models, namely the multinomial and nested logit models. More advanced discrete choice models are covered, including mixed logit models and generalized extreme value models that belong to the generalized nested logit class and/or the network generalized extreme value class. An emphasis is placed on highlighting open research questions associated with these models that will be of particular interest to operations research students. Practical modeling issues related to data and estimation software are also addressed, and an extensive modeling exercise focused on the interpretation and application of statistical tests used to guide the selection of a preferred model specification is included; the modeling exercise uses itinerary choice data from a major airline. The text concludes with a discussion of on-going customer modeling research in aviation. *Discrete Choice Modelling and Air Travel Demand* is enriched by a comprehensive set of technical appendices that will be of particular interest to advanced students of discrete choice modeling theory. The appendices also include detailed proofs of the multinomial and nested logit models and derivations of measures used to represent competition among alternatives, namely correlation, direct-elasticities, and cross-elasticities.

Behavioural Research for Transport Policy Brill Academic 1986-12 The efficiency of transport systems depends on their relevance to those using them. All too often, however, transport policies are implemented at great expense without due regard to the behaviour, and consequent needs, of transport users. *Behavioural Research for Transport Policy* will improve the lines of communication between behavioural researchers and policy makers. The papers presented at the 1985 International Conference on Travel Behaviour cover the wide range of factors which need to be taken into account when gauging the effect behaviour has on transport requirements and usage. Contributions discuss the variety and usefulness of different survey frameworks; the lifestyle factors affecting transport use, and the problems of cost effectiveness in both survey techniques and the implementation of transport policy.

The Econometrics of Multi-dimensional Panels Laszlo Matyas 2017-07-26 This book presents the econometric foundations and applications of multi-dimensional panels, including modern methods of big data analysis. The last two decades or so, the use of panel data has become a standard in many areas of economic analysis. The available models formulations became more complex, the estimation and hypothesis testing methods more sophisticated. The interaction between economics and econometrics resulted in a huge publication output, deepening and widening immensely our knowledge and understanding in both. The traditional panel data, by nature, are two-dimensional. Lately, however, as part of the big data revolution, there has been a rapid emergence of three, four and even higher dimensional panel data sets. These have started to be used to study the flow of goods, capital, and services, but also some other economic phenomena that can be better understood in higher dimensions. Oddly, applications rushed ahead of theory in this field. This book is aimed at filling this widening gap. The first theoretical part of the volume is providing the econometric foundations to deal with these new high-dimensional panel data sets. It not only synthesizes our current knowledge, but mostly, presents new research results. The second empirical part of the book provides insight into the most relevant applications in this area. These chapters are a mixture of surveys and new results, always focusing on the econometric problems and feasible solutions.

Computational Intelligence, Theory and Applications Bernd Reusch 2006-09-09 This book constitutes the refereed proceedings of the 9th Dortmund Fuzzy Days, Dortmund, Germany, 2006. This conference has established itself as an international forum for the discussion of new results in the field of Computational Intelligence. The papers presented here, all thoroughly reviewed, are devoted to foundational and practical issues in fuzzy systems, neural networks, evolutionary algorithms, and machine learning and thus cover the whole range of computational intelligence.

Progress in Spatial Analysis Antonio Páez 2009-10-30 Space is increasingly recognized as a legitimate factor that influences many processes and conceptual frameworks, including notions of spatial coherence and spatial heterogeneity that have been demonstrated to provide substance to both theory and explanation. The potential and relevance of spatial analysis is increasingly understood by an expanding sphere of cogent disciplines that have adopted the tools of spatial analysis. This book brings together major new developments in spatial analysis techniques, including spatial statistics, econometrics, and spatial visualization, and applications to fields such as regional studies, transportation and land use, political and economic geography, population and health. Establishing connections to existing and emerging lines of research, the book also serves as a survey of the field of spatial analysis and its links with related areas.

Choice Modelling Stephane Hess 2013-01-01 'This collection of papers, by leading researchers in the field, provides an excellent view of the current state of research and applications. Exciting new techniques are presented, and realistic solutions are offered to issues that arise in applied work. It is an admirably rich volume, offering valuable insights for all readers of choice modeling.' Kenneth Train, University of California, Berkeley and NERA Economic Consulting, Inc., San Francisco, California, US 'I'm an enthusiastic fan of the ICMC, where researchers are friendly, genuinely interested in learning from and helping one another. There is much to learn because each discipline brings a different perspective to the field and to theoretical and applied problems in decision-making and choice behavior. The ICMC embodies the philosophy that most real choice problems are complex and require a cross-disciplinary approach. The papers in this volume represent an eclectic cross-section of the topics covered by key researchers in the field. I look forward to getting our PhD students and postdocs stuck into them.' Jordan Louviere, University of Technology Sydney, Australia *Choice modelling* has been one of the most active fields in economics over recent years. This valuable new book contains leading contributions from academics and practitioners from across the different areas of study where choice modelling is a key analytical technique, drawn from a recent international conference. Choice models explain the behaviour of individuals by quantifying their values, responses and perceptions of attributes describing the various options (alternatives) available to them. Policy makers and planners have long since recognised the potential of using choice models for guidance purposes, with applications in fields as diverse as transport analysis, healthcare, telecommunications, public service evaluation and energy. The unique mix of theoretical and applied chapters will appeal to academics, students,

researchers and practitioners in various fields, as well as anyone with a general interest in the subject.

Spatial Microsimulation with R Robin Lovelace 2016-04-21 Generate and Analyze Multi-Level Data Spatial microsimulation involves the generation, analysis, and modeling of individual-level data allocated to geographical zones. Spatial Microsimulation with R is the first practical book to illustrate this approach in a modern statistical programming language. Get Insight into Complex Behaviors The book progresses from the principles underlying population synthesis toward more complex issues such as household allocation and using the results of spatial microsimulation for agent-based modeling. This equips you with the skills needed to apply the techniques to real-world situations. The book demonstrates methods for population synthesis by combining individual and geographically aggregated datasets using the recent R packages `ipfp` and `mipfp`. This approach represents the "best of both worlds" in terms of spatial resolution and person-level detail, overcoming issues of data confidentiality and reproducibility. Implement the Methods on Your Own Data Full of reproducible examples using code and data, the book is suitable for students and applied researchers in health, economics, transport, geography, and other fields that require individual-level data allocated to small geographic zones. By explaining how to use tools for modeling phenomena that vary over space, the book enhances your knowledge of complex systems and empowers you to provide evidence-based policy guidance.

Advanced Methods for Modeling Markets Peter S. H. Leeflang 2017-08-29 This volume presents advanced techniques to modeling markets, with a wide spectrum of topics, including advanced individual demand models, time series analysis, state space models, spatial models, structural models, mediation, models that specify competition and diffusion models. It is intended as a follow-on and companion to *Modeling Markets* (2015), in which the authors presented the basics of modeling markets along the classical steps of the model building process: specification, data collection, estimation, validation and implementation. This volume builds on the concepts presented in *Modeling Markets* with an emphasis on advanced methods that are used to specify, estimate and validate marketing models, including structural equation models, partial least squares, mixture models, and hidden Markov models, as well as generalized methods of moments, Bayesian analysis, non/semi-parametric estimation and endogeneity issues. Specific attention is given to big data. The market environment is changing rapidly and constantly. Models that provide information about the sensitivity of market behavior to marketing activities such as advertising, pricing, promotions and distribution are now routinely used by managers for the identification of changes in marketing programs that can improve brand performance. In today's environment of information overload, the challenge is to make sense of the data that is being provided globally, in real time, from thousands of sources. Although marketing models are now widely accepted, the quality of the marketing decisions is critically dependent upon the quality of the models on which those decisions are based. This volume provides an authoritative and comprehensive review, with each chapter including: · an introduction to the method/methodology · a numerical example/application in marketing · references to other marketing applications · suggestions about software. Featuring contributions from top authors in the field, this volume will explore current and future aspects of modeling markets, providing relevant and timely research and techniques to scientists, researchers, students, academics and practitioners in marketing, management and economics.

Human Behaviour and Traffic Networks Michael Schreckenberg 2013-03-09 How do people behave in different traffic situations? Are there general laws for mathematical modelling of decision dynamics? The answers, given at the first international workshop on "Human Behaviour in Traffic Networks", are presented in this volume. In 13 articles, well-known experts report about their current work on experiments and modelling in this area. The topics range from psychological behaviour in traffic situations, traffic simulations of various aspects and market analysis to experiments with human participants used in experimental economics. The articles filled with many illustrations are aimed at interested students as well as experts in this field.

Discrete Choice Methods with Simulation Kenneth Train 2009-07-06 This book describes the new generation of discrete choice methods, focusing on the many advances that are made possible by simulation. Researchers use these statistical methods to examine the choices that consumers, households, firms, and other agents make. Each of the major models is covered: logit, generalized extreme value, or GEV (including nested and cross-nested logits), probit, and mixed logit, plus a variety of specifications that build on these basics. Simulation-assisted estimation procedures are investigated and compared, including maximum simulated likelihood, method of simulated moments, and method of simulated scores. Procedures for drawing from densities are described, including variance reduction techniques such as antithetics and Halton draws. Recent advances in Bayesian procedures are explored, including the use of the Metropolis-Hastings algorithm and its variant Gibbs sampling. The second edition adds chapters on endogeneity and expectation-maximization (EM) algorithms. No other book incorporates all these fields, which have arisen in the past 25 years. The procedures are applicable in many fields, including energy, transportation, environmental studies, health, labor, and marketing.

Quality of Life in Cities Alessandra Michelangeli 2015-03-27 In the last few decades, urban quality of life has received increasing interest from policy makers who aim to make cities better places to live. In addition to the aim of improving quality of life, sustainable and equitable development is also often included in the policy agendas of decision makers. This book aims to link quality of life to related issues such as sustainability, equity, and subjective well-being. While less than one-third of the world's population lived in cities in 1950, about two thirds of humanity is expected to live in urban areas by 2030. This dramatic increase in the number of people living in urban areas serves as the backdrop for this book's analysis of cities. This book will be useful to students and researchers in economics, architecture and urban planning, sociology and political sciences, as well as policy makers.

Bounded Rational Choice Behaviour Soora Rasouli 2015-01-30 The book is an attempt to stimulate development in travel behaviour analysis and provide a basic source of reference to the transportation research community. The aim of the book is to give centre stage to some recent innovative approaches to models of bounded rationality, both under conditions of certainty and uncertainty.

Valuing Environmental Amenities Using Stated Choice Studies Barbara J. Kanninen 2007-05-31 This book provides practical, research-based advice on how to conduct high-quality stated choice studies. It covers every aspect of the topic, from planning and writing the survey, to analyzing results, to evaluating quality. There is no other book on the market today that so

thoroughly addresses the methodology of stated choice. Chapters are written by top-notch academics and practitioners in an accessible style, offering practical, tough advice.

Stated Choice Methods Jordan J. Louviere 2000-09-28 Multidisciplinary graduate and practitioner guide offering the theory and application of stated choice methods.

Residential Location Choice Francesca Pagliara 2010-08-29 The effective planning of residential location choices is one of the great challenges of contemporary societies and requires forecasting capabilities and the consideration of complex interdependencies which can only be handled by complex computer models. This book presents a range of approaches used to model residential locations within the context of developing land-use and transport models. These approaches illustrate the range of choices that modellers have to make in order to represent residential choice behaviour. The models presented in this book represent the state-of-the-art and are valuable both as key building blocks for general urban models, and as representative examples of complexity science.

Advanced Concepts for Intelligent Vision Systems Jacques Blanc-Talon 2006-09-15 This book constitutes the refereed proceedings of the 8th International Conference on Advanced Concepts for Intelligent Vision Systems, ACIVS 2006, held in Antwerp, Belgium in September 2006. The 45 revised full papers and 65 revised poster papers presented were carefully reviewed and selected from around 242 submissions. The papers are organized in topical sections on noise reduction and restoration, segmentation, motion estimation and tracking, video processing and coding, camera calibration, image registration and stereo matching, biometrics and security, medical imaging, image retrieval and image understanding, as well as classification and recognition.

Advances in Spatial Econometrics Luc Anselin 2013-03-09 World-renowned experts in spatial statistics and spatial econometrics present the latest advances in specification and estimation of spatial econometric models. This includes information on the development of tools and software, and various applications. The text introduces new tests and estimators for spatial regression models, including discrete choice and simultaneous equation models. The performance of techniques is demonstrated through simulation results and a wide array of applications related to economic growth, international trade, knowledge externalities, population-employment dynamics, urban crime, land use, and environmental issues. An exciting new text for academics with a theoretical interest in spatial statistics and econometrics, and for practitioners looking for modern and up-to-date techniques.

Advanced Econometrics Amemiya Takeshi 1985 The main features of this text are a thorough treatment of cross-section models--including qualitative response models, censored and truncated regression models, and Markov and duration models--and a rigorous presentation of large sample theory, classical least-squares and generalized least-squares theory, and nonlinear simultaneous equation models.

Residential Location Choice Francesca Pagliara 2010-08-12 The effective planning of residential location choices is one of the great challenges of contemporary societies and requires forecasting capabilities and the consideration of complex interdependencies which can only be handled by complex computer models. This book presents a range of approaches used to model residential locations within the context of developing land-use and transport models. These approaches illustrate the range of choices that modellers have to make in order to represent residential choice behaviour. The models presented in this book represent the state-of-the-art and are valuable both as key building blocks for general urban models, and as representative examples of complexity science.

Handbooks in Transport David A. Hensher 2005-05 Covering transportation research, this set is suitable for practitioners, researchers, and students.

Die Berücksichtigung des Wohnwertmerkmals Lage in den Mietspiegeln der deutschen Großstädte Johannes Promann 2012-11

Handbook of Choice Modelling Stephane Hess 2014-08-29 The Handbook of Choice Modelling, composed of contributions from senior figures in the field, summarizes the essential analytical techniques and discusses the key current research issues. The book opens with Nobel Laureate Daniel McFadden calling for d

Advanced Urban Travel Demand Forecasting 1999 "This course attempts to communicate to travel modeling professionals some of the [travel demand forecasting] procedures developed by their colleagues around the U.S. and abroad, most of which have been implemented as part of an existing travel demand modeling system."--p.1-5

Advances in Sustainable Construction Materials Sabyasachi Biswas 2021-04-10 This book presents select proceedings of National Conference on Advances in Sustainable Construction Materials (ASCM 2020) and examines a range of durable, energy-efficient, and next-generation construction materials produced from industrial wastes and by-products. The topics covered include sustainable materials and construction, innovations in recycling concrete, green buildings and innovative structures, utilization of waste materials in construction, geopolymer concrete, self-compacting concrete by using industrial waste materials, nanotechnology and sustainability of concrete, environmental sustainability and development, recycling solid wastes as road construction materials, emerging sustainable practices in highway pavements construction, plastic roads, pavement analysis and design, application of geosynthetics for ground improvement, sustainability in offshore geotechnics, green tunnel construction technology and application, ground improvement techniques and municipal solid waste landfill.

Given the scope of contents, the book will be useful for researchers and professionals working in the field of civil engineering and especially sustainable structures and green buildings.

A Practitioner's Guide to State and Local Population Projections Stanley K. Smith 2013-12-16 This book focuses on the methodology and analysis of state and local population projections. It describes the most commonly used data sources and application techniques for four types of projection methods: cohort-component, trend extrapolation, structural models, and microsimulation. It covers the components of population growth, sources of data, the formation of assumptions, the development of evaluation criteria, and the determinants of forecast accuracy. It considers the strengths and weaknesses of various projection methods and pays special attention to the unique problems that characterize small-area projections. The authors provide practical guidance to demographers, planners, market analysts, and others called on to construct state and local population projections. They use many examples and illustrations and present suggestions for dealing with special populations, unique circumstances, and inadequate or unreliable data. They describe techniques for controlling one set of projections to another, for interpolating between time points, for sub-dividing age groups, and for constructing projections of population-related variables (e.g., school enrollment, households). They discuss the role of judgment and the importance of the political context in which projections are made. They emphasize the "utility" of projections, or their usefulness for decision making in

a world of competing demands and limited resources. This comprehensive book will provide readers with an understanding not only of the mechanics of the most commonly used population projection methods, but also of the many complex issues affecting their construction, interpretation, evaluation, and use.?

Spatial Interaction Theory and Planning Models Anders Karlqvist 1978

Residential Self-selection and Travel Wendy Bohte 2010 "Most Western national governments aim to influence individual travel patterns - at least to some degree - through the spatial planning of residential areas. Nevertheless, the extent to which the characteristics of the built environment influence travel behaviour remains the subject of debate among travel behaviour researchers. This work addresses the role of residential-self-selection, an important issue within this debate. Households may not only adjust their travel behaviour to the built environment where they live, but they may also choose a residential location that corresponds to their travel-related attitudes. The empirical analysis in this thesis is based on data collected through an internet survey and a GPS-based survey, both of which were conducted among homeowners in three centrally located municipalities in the Netherlands. The study showed that residential self-selection has some limited effect on the relationship between distances to activity locations and travel mode use and daily kilometres travelled. The results also indicate that the inclusion of attitudes can help to detecting residential self-selection, provided that studies comply with several preconditions, such as the inclusion of the 'reversed' influence of behaviour on attitudes." -- BACK COVER.

The Oxford Handbook of Land Economics JunJie Wu 2014-06-20 What do economists know about land-and how they know? The Oxford Handbook of Land Economics describes the latest developments in the fields of economics that examine land, including natural resource economics, environmental economics, regional science, and urban economics. The handbook argues, first, that land is a theme that integrates these fields and second, that productive integration increasingly occurs not just within economics but also across disciplines. Greater recognition and integration stimulates cross-fertilization among the fields of land economics research. By providing a comprehensive survey of land-related work in several economics fields, this handbook provides the basic tools needed for economists to redefine the scope and focus of their work to better incorporate the contemporary thinking from other fields and to push out the frontiers of land economics. The first section presents recent advances in the analysis of major drivers of land use change, focusing on economic development and various land-use markets. The second section presents economic research on the environmental and socio-economic impacts of land use and land use change. The third section addresses six cutting-edge approaches for land economics research, including spatial econometric, simulation, and experimental methods. The section also includes a synthetic chapter critically reviewing methodological advances. The fourth section covers policy issues. Four chapters disentangle the economics of land conservation and preservation, while three chapters examine the economic analysis of the legal institutions of land use. These chapters focus on law and economic problems of permissible government control of land in the U.S. context.

Modelling Transport Juan de Dios Ortúzar 2011-05-03 Already the market leader in the field, Modelling Transport has become still more indispensable following a thorough and detailed update. Enhancements include two entirely new chapters on modelling for private sector projects and on activity-based modelling; a new section on dynamic assignment and micro-simulation; and sizeable updates to sections on disaggregate modelling and stated preference design and analysis. It also tackles topical issues such as valuation of externalities and the role of GPS in travel time surveys. Providing unrivalled depth and breadth of coverage, each topic is approached as a modelling exercise with discussion of the roles of theory, data, model specification, estimation, validation and application. The authors present the state of the art and its practical application in a pedagogic manner, easily understandable to both students and practitioners. Follows on from the highly successful third edition universally acknowledged as the leading text on transport modelling techniques and applications Includes two new chapters on modelling for private sector projects and activity based modeling, and numerous updates to existing chapters Incorporates treatment of recent issues and concerns like risk analysis and the dynamic interaction between land use and transport Provides comprehensive and rigorous information and guidance, enabling readers to make practical use of every available technique Relates the topics to new external factors and technologies such as global warming, valuation of externalities and global positioning systems (GPS).

Handbook of Research on Geographic Information Systems Applications and Advancements Faiz, Sami 2016-10-21 The proper management of geographic data can provide assistance to a number of different sectors within society. As such, it is imperative to continue advancing research for spatial data analysis. The Handbook of Research on Geographic Information Systems Applications and Advancements presents a thorough overview of the latest developments in effective management techniques for collecting, processing, analyzing, and utilizing geographical data and information. Highlighting theoretical frameworks and relevant applications, this book is an ideal reference source for researchers, academics, professionals, and students actively involved in the field of geographic information systems.

Urban Inequality and Segregation in Europe and China Gwilym Pryce 2021-11-16 This open access book explores new research directions in social inequality and urban segregation. With the goal of fostering an ongoing dialogue between scholars in Europe and China, it brings together an impressive team of international researchers to shed light on the entwined processes of inequality and segregation, and the implications for urban development. Through a rich collection of empirical studies at the city, regional and national levels, the book explores the impact of migration on cities, the related problems of social and spatial segregation, and the ramifications for policy reform. While the literature on both segregation and inequality has traditionally been dominated by European and North American studies, there is growing interest in these issues in the Chinese context. Economic liberalization, rapid industrial restructuring, the enormous growth of cities, and internal migration, have all reshaped the country profoundly. What have we learned from the European and North American experience of segregation and inequality, and what insights can be gleaned to inform the burgeoning interest in these issues in the Chinese context? How is China different, both in terms of the nature and the consequences of segregation inequality, and what are the implications for future research and policy? Given the continued rise of China's significance in the world, and its recent declaration of war on poverty, this book offers a timely contribution to scholarship, identifying the core insights to be learned from existing research, and providing important guidance on future directions for policy makers and researchers.

Residential Location Choice Francesca Pagliara 2012-10-13 The effective planning of residential location choices is one of the great challenges of contemporary societies and requires

forecasting capabilities and the consideration of complex interdependencies which can only be handled by complex computer models. This book presents a range of approaches used to model residential locations within the context of developing land-use and transport models. These approaches illustrate the range of choices that modellers have to make in order to represent residential choice behaviour. The models presented in this book represent the state-of-the-art and are valuable both as key building blocks for general urban models, and as representative examples of complexity science.

The Measurement and Analysis of Housing Preference and Choice Sylvia J.T. Jansen 2011-05-12 What are the current trends in housing? Is my planned project commercially viable? What should be my marketing and advertisement strategies? These are just some of the questions real estate agents, landlords and developers ask researchers to answer. But to find the answers, researchers are faced with a wide variety of methods that measure housing preferences and choices. To select and value a valid research method, one needs a well-structured overview of the methods that are used in housing preference and housing choice research. This comprehensive introduction to this field offers just such an overview. It discusses and compares numerous methods, detailing the potential limitation of each one, and it reaches beyond methodology, illustrating how thoughtful consideration of methods and techniques in research can help researchers and other professionals to deliver products and services that are more in line with residents' needs.

Handbook of Developments in Consumer Behaviour Victoria Wells 2012-01-01 This Handbook examines the area of consumer behaviour from the perspective of current developments and developing areas for the discipline, to new opportunities that comprehend the nature of consumer choice and its relationship to marketing. Consumer research incorporates perspectives from a spectrum of long-established sciences: psychology, economics and sociology. This Handbook strives to include this multitude of sources of thought, adding geography, neuroscience, ethics and behavioural ecology to this list. Encompassing scholars with a passion for researching consumers, this Handbook highlights important developments in consumer behaviour research, including consumer culture, impulsivity and compulsiveness, ethics and behavioural ecology. It examines evolutionary and neuroscience perspectives as well as consumer choice. Undergraduate and postgraduate students and researchers in marketing with interests in consumer behaviour will find this enriching resource invaluable.

Location Theory and Decision Analysis Yupo Chan 2011-08-26 Employing state-of-the-art quantitative models and case studies, Location Theory and Decision Analysis provides the methodologies behind the siting of such facilities as transportation terminals, warehouses, housing, landfills, state parks and industrial plants. Through its extensive methodological review, the book serves as a primer for more advanced texts on spatial analysis, including the monograph on Location, Transport and Land-Use by the same author. Given the rapid changes over the last decade, the Second Edition includes new analytic contributions as well as software survey of analytics and spatial information technology. While the First Edition served the professional community well, the Second Edition has substantially expanded its emphasis for classroom use of the volume. Extensive pedagogic materials have been added, going from the fundamental principles to open-ended exercises, including solutions to selected problems. The text is of value to engineering and business programs that offer courses in Decision and Risk Analysis, Muticriteria Decision-Making, and Facility Location and Layout. It should also be of interest to public policy programs that use geographic Information Systems and satellite imagery to support their analyses.