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Mathematical models have long been used by geographers and regional scientists to explore the working of urban and regional systems, via a system where the equilibrium point changes slowly and smoothly as the parameters change slowly and smoothly. However, this all changed with the advent of catastrophe theory and bifurcation, which enabled the development of models where a quite sudden change in the position of the equilibrium point results from a slow, small, smooth change in one or more parameters. First published in 1981, this reissue of Professor Wilson's classic study outlines the implications of these mathematical models for geography and regional science, by way of a survey of contemporary applications.

This edited collection, first published in 1987, provides a comparative analysis of different approaches to urban modelling, and lays the foundations for the possibility of integration and a more unified field. The first part contextualises the development of the field of urban systems modelling, focusing on the variety of approaches and possible implications of this on the future of research and methodology. Next, the editors consider economic and [non-economic] approaches, followed by an analysis of spatial-interaction-based approaches. Providing an overview to the field and research literature, the overarching argument is that there should be an integrated methodological approach to urban system modelling.

This book, first published in 1988, brings together leading researchers from both the retailing business and the academic world to discuss the latest techniques of analysis and forecasting in the fields of store choice, store location, and market analysis. Its rationale is the major restructuring of the UK retailing industry which has taken place over the past twenty years, and the profound implications of that restructuring for the type of research necessary to understand, maintain and enhance corporate responsibility. The contributors present accounts of the development of new and original methods for retail analysis and forecasting purposes. They lay stress upon practical methods which are accurate and robust, and which can operate with the type of data typically available to retailers. The book will provide a major work of reference for retailers, market researchers, retail analysts, estate managers, urban planners and geographers in many countries.

Geography and Geographers continues to be the most comprehensive and up-to-date overview of human geography available. It provides a survey of the major debates, key thinkers and schools of thought in the English-speaking world, setting them within the context of economic, social, cultural, political and intellectual changes. It is essential reading for all undergraduate geography students. It draws on a wide reading of the geographical literature and addresses the ways geography and its history are understood and the debates among geographers regarding what the discipline should study and how. This extensively updated seventh edition offers a thoroughly contemporary perspective on human geography for new and more experienced students alike.

The Routledge Companion to Postmodernism combines a series of fourteen in-depth background chapters with a body of A-Z entries to create an authoritative yet readable guide to the complex world of postmodernism.

An effective coach can help the business leader make sense of the challenges and complexities of modern international business, unlocking the potential of both leader and organization. This important new handbook offers the first comprehensive and detailed introduction to the theory and practice of international business coaching, drawing on the very latest academic research, as well as real-world examples of international best practice. This book provides practitioners and students with an innovative theoretical framework, which extends existing coaching models to place coaching within cultural, organizational and group-team contexts. Contributors from around the world explore different perspectives and practices and offer practical tools to apply the theories and models to the real-life business context. The Routledge Companion to International Business Coaching is essential reading for all trainee business coaches, all students of coaching theory and method, and for all business leaders looking to understand better the role of the modern business coach.

Reissuing works originally published between 1929 and 1991, this collection of 17 volumes presents a variety of considerations on Econometrics, from introductions to specific research works on particular industries. With some volumes on models for macroeconomics and international economies, this is a widely interesting set of economic texts. Input/Output methods and databases are looked at in some volumes while others look at Bayesian techniques, linear and non-linear models. This set will be of use to those in industry and business studies, geography and sociology as well as politics and economics.

Reissuing seven works originally published between 1940 and 1997, this collection spans the time in which Criminology has been a recognised academic discipline. It offers a set of excellent works on diverse aspects of the field from nineteenth century criminality to burglary in the 1980s. The set includes a Dictionary and several works looking at the social and psychological side of crime.

Urban development and migration from rural to urban areas are impacting prime agricultural land and natural landscapes, particularly in the less developed countries. These phenomena will persist and require serious study by those monitoring global environmental change. To address this need, various models have been devised to analyze urbanization and the physical, socioeconomic, and institutional factors impacting urban development. The most promising and rapidly developing of these paradigms take advantage of new Geographical Information System (GIS) technology. Modelling Urban Development with Geographical Information Systems and Cellular Automata presents one such cutting-edge model that is more than just predictive. It describes how the model simulates the urbanization process, and it provides theoretical context to promote understanding. Starting with a practical overview of the modelling techniques used in urban development research, the author focuses on the cellular automata model and its greatest strength - the incorporation of fuzzy set and fuzzy logic approaches through which urban development can be viewed as a spatially and temporally continuous process. Real-Life Application to Develop Future Planning Methods The text describes a landmark study underway, in which the fuzzy constrained cellular automata model has been implemented in a GIS environment to simulate urban development in Sydney, Australia. Featuring a survey of associated research and a geographical database for the Sydney simulation, this book answers many general "what if" questions for urban planners and details a new approach that they can adapt to their own testing and evaluation needs. This modeling method will provide researchers and planners with the means to not just predict population trends, but to better prepare for their consequences.

This Handbook of Cities and Networks provides a cutting-edge overview of research on how economic, social and transportation networks affect processes both in and between cities. Exploring the ways in which cities connect and intertwine, it offers a varied set of collaborations, highlighting different theoretical, historical and methodological perspectives.

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