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Applied Demography Applied Demography Applied Demography in the 21st Century Applied Demography for Biologists The Frontiers of Applied Demography Concepts, Methods and Practical Applications in Applied Demography Applied Demography and Public Health in the 21st Century Applied Demography and Public Health Emerging Techniques in Applied Demography Opportunities and Challenges for Applied Demography in the 21st Century Demographics Applied Demography in the 21st Century Introduction to Applied Demography Applied Demography What is Applied Demography? Studies in Applied Demography Applied

Mathematical Demography Studies in Applied Demography Population Change and Public Policy Applied demography series Developments in Demographic Forecasting Introduction to Applied Demography Regional Science and Applied Demography Issues in an Applied Demography Training Program, Part I Demography: A Very Short Introduction Fundamentals of Demographic Analysis: Concepts, Measures and Methods Demography for Planning and Policy: Australian Case Studies Issues in Applied Demography Demography Introduction to Applied Demography North American Conference on Applied Demography The Emerging

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(second edition) Advanced
Introduction to Demography

*Fundamentals of Demographic
Analysis: Concepts, Measures
and Methods* Mar 02 2021 This
book offers an ideal
introduction to the analysis of
demographic data. Inside,
readers of all quantitative skill
levels will find the information
they need to develop a solid
understanding of the methods
used to study human
populations and how they
change over time due to such
factors as birth, death, and
migration. The comprehensive,

systematic coverage defines
basic concepts and introduces
data sources; champions the
use of Lexis diagrams as a
device for visualizing
demographic measures;
highlights the importance of
making comparisons (whether
over time or between
populations at a point in time)
that control for differences in
population composition;
describes approaches to
analyzing mortality, fertility,
and migration; and details
approaches to the important
field of population projection.
Throughout, the author makes
the material accessible for
readers through careful
exposition, the use of
examples, and other helpful
features. This book's thorough
coverage of basic concepts and
principles lays a firm
foundation for anyone
contemplating undertaking
demographic research,
whether in a university setting
or in a professional
employment that takes on a
demographic dimension
requiring in-house training.

Demography: A Very Short

Introduction Apr 03 2021 The generation into which each person is born, the demographic composition of that cohort, and its relation to those born at the same time in other places influences not only a person's life chances, but also the economic and political structures within which that life is lived; the person's access to social and natural resources (food, water, education, jobs, sexual partners); and even the length of that person's life.

Demography, literally the study of people, addresses the size, distribution, composition, and density of populations, and considers the impact the drivers which mediate these will have on both individual lives and the changing structure of human populations. This Very Short Introduction considers the way in which the global population has evolved over time and space. Sarah Harper discusses the theorists, theories, and methods involved in studying population trends and movements, before looking at

the emergence of new demographic sub-disciplines and addressing some of the future population challenges of the 21st century. ABOUT THE SERIES: The Very Short Introductions series from Oxford University Press contains hundreds of titles in almost every subject area. These pocket-sized books are the perfect way to get ahead in a new subject quickly. Our expert authors combine facts, analysis, perspective, new ideas, and enthusiasm to make interesting and challenging topics highly readable.

The Emerging Student/professional and Issues in Applied Demography Curriculum Aug 27 2020

Issues Surrounding the Development of a Graduate Program in Applied

Demography Jun 24 2020

Demographics Jun 17 2022

This is a collection of 20 case studies prepared by a group of demographers; professors of economics, sociology, population studies, business, and marketing; and research analysts interested in

understanding a world of changing demographics. Because the study of demography is becoming increasingly important to a growing number of professionals and decisionmakers in business and government, these case studies were written to address how the science of demography is being applied to real-world problems. Written in nontechnical language and presented in a classroom-tested format, this easy-to-use guidebook covers applications of applied demography in government planning, long-term corporate strategy, forecasting, human resource management, and marketing. The authors show how to tie financial, political, and legal analysis into a consideration of demographic data and trends. *Mathematical Demography* Feb 19 2020 Mathematical demography is the centerpiece of quantitative social science. The founding works of this field from Roman times to the late Twentieth Century are collected here, in a new edition

of a classic work by David R. Smith and Nathan Keyfitz. Commentaries by Smith and Keyfitz have been brought up to date and extended by Kenneth Wachter and Hervé Le Bras, giving a synoptic picture of the leading achievements in formal population studies. Like the original collection, this new edition constitutes an indispensable source for students and scientists alike, and illustrates the deep roots and continuing vitality of mathematical demography.

Studies in Applied

Demography Nov 10 2021

Applied Demography in the 21st Century May 16 2022

"This work provides selected, peer-reviewed papers from the Biennial Conference on Applied Demography held in San Antonio, Texas on January 7-9 and sponsored by the Institute for Demographic and Socioeconomic Research at The University of Texas at San Antonio. The work provides an excellent overview of the state of applied demography at the beginning of the 21st Century which should be of interest to

all demographers and be appropriate for adoption for courses in a variety of disciplines including demography, sociology, economics, geography, planning, statistics and others." --Book Jacket.

Regional Science and Applied Demography Jun 05 2021

Introduction to Applied Demography Oct 29 2020

Applied Demography Apr 27 2023 In contrast to a typical general text in demography, which is concerned with demographic principles, trends, problems, and theories, Applied Demography explores the practical issues with which demographers working for government agencies, private nonprofit organizations, and businesses deal. It emphasizes the applications of applied demography in a variety of related disciplines, such as geography, economics, gerontology, public policy, law, sociology, public administration, and business management. The data of these disciplines are taken into

account, as are the methods of statistics and computer sciences. The book aims to inform the student of the wide range of applications of demography, including not only narrowly demographic situations but also nondemographic situations, such as manufacturing processes and the dynamics of organizations as a population.

Issues in Applied Demography Dec 31 2020

Applied Demography Mar 14 2022 Applied demography comprises many applications that draw on demographers' familiarity with census data and ability to adapt their knowledge to business and public sector concerns. This paper offers an overview of the field's current scope, evolution, and prospective future course. The author emphasizes that (1) applied demography is driven by problems--it is not theory directed; (2) professionally, applied demographers are diversely situated but linked through a network of personal contacts; and (3) applied demography has grown

recently because of newly available data matching information on individual consumers and heightened competitive pressures within recently deregulated U.S. markets.

Applied Demography in the 21st Century Feb 25 2023 The topic of Applied Demography is clearly evolving as its practitioners become involved in the emerging trends of the Twenty-First Century. This book derived from the first post-2000 national conference on Applied Demography, held in San Antonio, Texas, January 7-9, 2007, at The University of Texas. The conference presented a unique opportunity and this resulting work provides a cross-sectional view of Applied Demography and an evaluation of its likely future.

Academic and Applied Demography Training Jul 26 2020

Introduction to Applied Demography Jul 06 2021

Applied Mathematical Demography Dec 11 2021

What follows is a new edition of the second in a series of three

books providing an account of the mathematical development of demography. The first, *Introduction to the Mathematics of Population* (Addison-Wesley, 1968), gave the mathematical background. The second, the original of the present volume, was concerned with demography itself. The third in the sequence, *Mathematics Through Problems* (with John Beekman; Springer Verlag, 1982), supplemented the first two with an ordered sequence of problems and answers. Readers interested in the mathematics may consult the earlier book, republished with revisions by Addison-Wesley in 1977 and still in print. There is no overlap in subject matter between *Applied Mathematical Demography* and the *Introduction to the Mathematics of Population*. Three new chapters have been added, dealing with matters that have come recently into the demographic limelight: multi-state calculations, family demography, and heterogeneity. vii PREFACE

This book is concerned with commonsense questions about, for instance, the effect of a lowered death rate on the proportion of old people or the effect of abortions on the birth rate. The answers that it reaches are not always commonsense, and we will meet instances in which intuition has to be adjusted to accord with what the mathematics shows to be the case.

Applied Demography Mar 26 2023 This text aims to help the novice understand demographic variables and analyze their impact on specific private and public sector interests. Examples are employed to demonstrate a wide range of techniques, and the book discusses software products from the 1990 US census that may revolutionize the use of demographic data by business and government.

Introduction to Applied Demography Apr 15 2022 Identifies kinds and sources of demographic data and then explains how to use this information to determine

demographic trends and their consequences.

Applied Demography and Public Health Sep 20 2022

This book combines the disciplines of applied demography and public health by describing how applied demographic techniques can be used to help address public health issues. Besides addressing the impact of aging on health and health-related expenditure, cause-specific mortality, and maternal health and morbidity, the book provides several chapters on special analysis and methodological issues. The chapters provide a number of resources and tools that can be used in conducting research aimed at promoting public health. These resources include information on a variety of health research datasets, different statistical methodologies for analyzing health-related data and developing concepts related to health status, methodologies for forecasting or projecting disease incidences and associated costs, and

discussions of demographic concepts used to measure population health status.

Developments in Demographic Forecasting

Aug 07 2021 This open access book presents new developments in the field of demographic forecasting, covering both mortality, fertility and migration. For each component emerging methods to forecast them are presented. Moreover, instruments for forecasting evaluation are provided. Bayesian models, nonparametric models, cohort approaches, elicitation of expert opinion, evaluation of probabilistic forecasts are some of the topics covered in the book. In addition, the book is accompanied by complementary material on the web allowing readers to practice with some of the ideas exposed in the book. Readers are encouraged to use this material to apply the new methods to their own data. The book is an important read for demographers, applied statisticians, as well as other

social scientists interested or active in the field of population forecasting. Professional population forecasters in statistical agencies will find useful new ideas in various chapters.

Demography Nov 29 2020 This comprehensive, introductory text takes an applied, interdisciplinary approach. Because one author is a sociologist and the other a demographer, the text introduces perspectives from many different disciplines. The most applied book on the market, *Demography: The Science of Population* teaches students how to use the multitude of demographic resources available to them as consumers of data. Using case studies throughout to illustrate key concepts in a realistic and concrete manner, the authors also draw examples from recent U.S. Census data, United Nations and World Bank reports, tables from the National Center for Health Statistics, and other U.S. state- and county-level sources. New to the Second Edition This

second edition is divided into four main parts; each part begins with a short introduction, and all chapters include end-of-chapter summaries. All tables, related narrative, and graphics have been updated to include data from the 2000 and 2010 census counts, more recent estimates for the United States—especially the American Community Survey—and comparable new data from international sources (e.g. World Bank, Population Research Bureau World Data Sheet). Several new figures have been added throughout the text. Part I: An Overview of Population Science, introduces the field of demography and provides a summary of its subject matter. The chapters in this part have been reorganized to reflect changes in the discipline. Chapter 1 now includes a new “the study of populations” section, a shorter Chapter 2 covers population size, and its former discussion of structure has been moved to Chapter 3. This de-emphasizes the history of

population science to some extent and increases emphasis on population size as the key demographic variable. Chapter 4 presents the main principles and analytical techniques associated with the three “static” characteristics of populations: size, structure, and geographic distribution. Part II: Population Dynamics: Vital Events and Growth, reflects the wealth of data and analytical techniques now available from The U.S. Centers for Disease Control and Prevention (CDC) and its “Wonder” utility. The first three chapters focus on the vital events of birth, death, and migration. The final chapter in this part brings this material together in a discussion of population growth: its measurement, its history, and current related policy concerns. Part III: Population Models, introduces the principles of life table analysis, population estimation, and projection. This material has been simplified and updated. Chapter 9, The Life Table: An Introduction, has been revised

to accord with the new federal alignment for vital statistics between the CDC and National Institute for Health Statistics. Life tables from non-U.S. sources are increased in number and in detailed functions. Part IV: Demography in Application, provides overviews of population policy, the environment, and demographic resources, along with a brief postscript on population in the larger scheme of things. What appeared as two appendices in the first edition, one on the history of population policy and one on tourism as a type of international migration, have been combined to create a new Chapter 14. The end-of-chapter material has been shortened and now contains a summary, key terms, and notes. A full-color enhanced eText is also available, and the second edition is accompanied by a teaching and learning package, including instructor's manual, test bank, lecture slides, and a companion website that offers students additional resources, flashcards, and self-study

quizzes.

Applied Demography for Biologists May 24 2020
Demography for Planning and Policy: Australian Case Studies

Feb 01 2021 This edited collection shows how demographic analysis plays a pivotal role in planning, policy and funding decisions in Australia. Drawing on the latest demographic data and methods, these case studies in applied demography demonstrate that population dynamics underpin the full spectrum of contemporary social, economic and political issues. The contributors harness a range of demographic statistics and develop innovative techniques demonstrating how population dynamics influence issues such as electoral representation, the distribution of government funding, metropolitan and local planning, the provision of aged housing, rural depopulation, coastal growth, ethnic diversity and the well-being of Australia's Indigenous community. Moving beyond simple statistics, the case

studies show that demographic methods and models offer crucial insights into contemporary problems and provide essential perspectives to aid efficiency, equity in public policy and private sector planning. Together the volume represents essential reading for students across the social sciences as for policy makers in government and private industry.

What is Applied Demography?

Feb 13 2022

Concepts, Methods and Practical Applications in Applied Demography Nov 22 2022

This textbook offers a comprehensive overview of applied demography by presenting both basic concepts and methodological techniques. It allows students from the social and human sciences, demographers, consultants and anyone interested in applied demography to gain an understanding of a wide range of practical applications of demographic concepts, methods and techniques to real-world problems. Featured sidebars highlight relevant

terms and concepts and case studies and exercises throughout the book offer first-hand exposure to demographic applications. Charts and graphs supplement the presentation of demographic concepts and a glossary provides an inventory of relevant terms. The first section reviews basic components of applied demography as a context for understanding and addressing societal issues. It details the methods, techniques and data sources applied by demographers in a variety of areas. Coverage includes cohort analysis, data standardization, population estimation, and the use of geographic information systems (GIS). The second section focuses on the substantive areas in which demography is currently applied. The topics covered include business demography, health demography, political demography, educational demography, and applications to urban and regional planning. The book illustrates the many

ways in which demographers contribute to the formulation of public policy and the resolution of societal issues.

Applied Demography in the Context of Africa's

Development Problems Apr 22 2020

Studies in Applied Demography
Jan 12 2022

The Demography of Health and Health Care (second edition)

Jan 20 2020 This is a thoroughgoing revision of the first edition of this classic text and reference, published by Plenum in 1992. The authors convey the general principles that underlie this applied subdiscipline and demonstrate how the merging of demography and health care impacts on the planning processes of a range of health care organizations.

The Frontiers of Applied Demography Dec 23 2022

This book details cutting-edge methods and findings that may shape the future of applied demography. Inside, readers will discover new insights into the databases, substantive issues, and methodological

approaches that can help them to improve how they use demography in decision making and planning problems in both public and private settings. The topics and perspectives are found in the book's 23 chapters, which are organized into three major sections: (I) Demographic Information for Decision-Making: Case Studies; (II) Data: Issues and Analyses; and (III) Projection and Estimation Methods: Evaluations, Examples, and Discussions. Coverage includes chapters on migration, demographic market analysis, future courtroom needs, trends in the needs of the elderly, access to health care, longitudinal data systems, census costs, and new approaches to small area estimation and projection methods. The case studies represent a wide range of countries, including Australia, Canada, China, England, India, Japan, and the United States of America. Overall, this edited volume collects papers that were presented at different conferences, including the 8th

international conference on population geographies (University of Queensland, 2015), the 2014 Applied Demography Conference (San Antonio, Texas, USA), and the annual conference of the Canadian Population Society. Applied demography touches many aspects of our lives and its practitioners continue to push methodological and empirical boundaries. This book documents the steady evolution of this field. It shows demographers, sociologists, economists, planners, marketers, and others how they can improve the quality and relevance of demographic information now and in the future.

Issues in an Applied Demography Training Program, Part I May 04 2021
Applied demography series Sep 08 2021

Emerging Techniques in Applied Demography Aug 19 2022 By bringing together top-notch demographers, sociologists, economists, statisticians and public health specialists from Asia, Africa,

Europe, and North America to examine a wide variety of public and private issues in applied demography, this book spans a wide range of topics. It evaluates population estimates and projections against actual census counts and suggests further improvement of estimates and projection techniques and evaluation procedures; new techniques are proposed for estimating families and households and particular attention is paid to the much-discussed topic of access to health care. Coverage extends to factors influencing health status and elder abuse, child bearing and labor market analysis and the effects of education on labor market outcomes of native white American and immigrant European populations. Methodologically rigorous and pragmatically useful, *Emerging Techniques in Applied Demography* also examines a wide variety of public and private issues under the field of applied demography. It provides a broad overview of research topics and also

reflects substantial development in the field of applied demography. It also bridges the gap between theory and research by providing several examples of work of distinguished applied demographic.

Applied Demography for Biologists Jan 24 2023 This is the first book to comprehensively apply the fundamental tools and concepts of demography to a nonhuman species. It provides clear and concise treatment of standard demographic techniques such as life table analysis and population projection; introduces models that have seldom appeared outside of the demographic literature including the multiple decrement life table, the intrinsic sex ratio, and multiregional demography; and addresses demographic problems that are unique to nonhuman organisms such as the demographic theory of social insects and harvesting techniques applied to insect mass rearing. The book also contains a synthesis of

fundamental properties of population such as momentum and convergence to the stable age distribution, with a section on the unity of demographic models, and appendices detailing analytical methods used to quantify and model the data gathered in a groundbreaking study on the mortality experience of 1.2 million medflies. Based on an insect demography course at the University of California, Davis, the book is intended for practicing entomologists, population biologists, and ecologists for use in research or as a graduate text.

Applied Demography and Public Health in the 21st Century Oct 21 2022 This book demonstrates different statistical techniques for analyzing health-related data as well as providing new techniques for forecasting and/or projecting the incidence of diseases/disorders. It presents information on a variety of health related issues from the developed and developing world. Featuring cutting edge research from

distinguished applied demographers and public health specialists, the book bridges the gap between theory and research. Each chapter provides methods and materials that can be used to conduct further research aimed at promoting public health issues. This book is intended for public health professionals, health policy makers, social epidemiologists, administrators, researchers, and students in the fields of applied demography and public health who are interested in exploring the potential of ground-breaking research or who want to further develop their existing research techniques. It complements another volume in the Applied Demography Series, Applied Demography and Public Health (Springer, 2013), which describes how applied demographic techniques can be used to help address public health issues.

Opportunities and Challenges for Applied Demography in the 21st Century Jul 18 2022 Applied

demography continues its rapid pace of evolution in concert with the emerging trends of the 21st century. One significant area of change is the extension of applied demography beyond the United States; this book includes material dealing with applied demography in Australia, Canada, Estonia, and Mexico. Opportunities and Challenges for Applied Demography in the 21st Century presents a score of selected papers from the second post-2000 national conference on Applied Demography, held in San Antonio, Texas, in January, 2010, under the sponsorship of the Institute for Demographic and Socioeconomic Research at The University of Texas at San Antonio. Coverage includes the assembly of data by government agencies, with a focus on issues facing the United States; demographic issues associated with globalization; business demography and health demography, as well as a section examining methodological advances in the

areas of estimation and projection.

Population Change and Public Policy Oct 09 2021 This book provides a solid empirical portrait based on the complexities of demographic components of population change. It describes recent innovations, trends, challenges and solutions to population change and public policy issues, such as but not limited to immigration, gender discrimination in the labor market, student housing, teen pregnancy programs, smoking and alcohol consumption, and environment and self-rated health. As such it provides an interesting platform for academics, researchers, policy makers, and students to explore experiences and research findings on special topics in applied demography and how those inform the field of population studies and public policy.

Advanced Introduction to Demography Dec 19 2019 Highlighting the power of multi-dimensional demography, this Advanced Introduction

addresses the most consequential changes in our societies and economies using quantitative approaches. It defines three demographic theories with predictive power - demographic metabolism, transition and dividend - and repositions the discipline at the heart of social science.

Methods of Demographic Analysis Mar 22 2020 This book provides an up-to-date overview of demographic analysis and methods, including recent developments in demography. Concepts and methods, from the nature of demographic information through data collection and the basics of statistical measures and on to demographic analysis itself are succinctly explained. Measures and analyses of fertility, mortality, life tables, migration and demographic events such as marriage, education and labour force are described while later chapters cover multiple decrement tables, population projections, the importance of testing and smoothing demographic data, the stable population model

and demographic software. An emphasis on practical aspects and the use of real-life examples based on data from around the globe make this book accessible, whilst comprehensive references and links to data and other resources on the internet help readers to explore further. The text is concise and well written, making it ideally suited to a wider audience from students

to academics and teachers. Students of demography, geography, sociology, economics, as well as professionals, academics and students of marketing, human resource management, and public health who have an interest in population issues will all find this book useful. North American Conference on Applied Demography Sep 27 2020