

Population An Introduction To Concepts And Issues

This textbook, originally published in 1970, is a classic in the field of Population Genetics. It presents the field of population genetics, starting with elementary concepts and leading the reader well into the field. It is concerned mainly with population genetics in a strict sense and deals primarily with natural populations and less fully with the rather similar problems that arise in breeding livestock and cultivated plants. The emphasis is on the behavior of genes and population attributes under natural selection where the most important measure is Darwinian fitness. This text is intended for graduate students and advanced undergraduates in genetics and population biology. This book steers a middle course between completely verbal biological arguments and the rigor of the mathematician. The first two-thirds of the book do not require advanced mathematical background. An ordinary knowledge of calculus will suffice. The latter parts of the book, which deal with population stochastically, use more advanced methods. Chapter Titles: 1. Models of population growth. 2. Randomly mating populations. 3. Inbreeding. 4. Correlation between relatives and assortative mating. 5. Selection. 6. Populations in approximate equilibrium. 7. Properties of a finite population. 8. Stochastic processes in the change of gene frequencies. 9. Distribution of gene frequencies in populations. Appendix. Some statistical and mathematical methods frequently used in population genetics. Bibliography. Glossary. Index.

Demographics class just got a lot more interesting. POPULATION doesn't just give you the information; it shows you how to use it. From the debate over how to rebuild the Gulf Coast after Hurricane Katrina to what should be done about Social Security and Medicare, POPULATION lets you apply the research yourself. Plus, POPULATION makes studying for the test easier than ever with its built-in study aides. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

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.

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This book brings together 28 papers examining major issues and trends in Canadian demography. Beginning with a historical survey of population growth in Canada and around the world, Part 1 draws attention to the interplay of demographic and social changes. The remaining sections focus on issues in six specific areas: the age and sex

composition of Canadian society; mortality; fertility; family formation and dissolution; population movement (both international and internal); and urbanization and population ecology. In their introduction to each section, the editors provide an overview of the readings to follow, outlining central issues, themes, and concepts, as well as a guide to the basic techniques of population analysis used in each case. The only Canadian reader of its kind, this book will be of value to anyone concerned with the challenges facing contemporary Canadian society.

These twenty-five readings are essential to the study of population and society. The two basic perspectives, Malthusian and Marxist, are well articulated from the start. Some selections are classic, chosen on the strength of their centrality to the popular literature, while others are contemporary and controversial.

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John R. Weeks's POPULATION introduces students to population issues, concepts, and theories by encompassing the entire field of demography, including both principle and practice. From fertility and mortality rates to agricultural production and urbanization, Weeks consistently engages students through compelling writing, comprehensive explication, and intriguing essays-giving students their best opportunity to truly master core demographic concepts. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Filling a critical gap in the present market, this comprehensive, multidisciplinary collection of readings is specifically designed as a sourcebook on population. It includes articles from all major theoretical perspectives and from all levels of aggregation from micro-decision making processes to macro-historical processes. Mainstream issues include: the economics of fertility, social causes of mortality, illegal immigration and refugee migration, Third World urbanization, Malthusian, Marxian and demographic transition theory, the census undercount, and population policy in more and less developed countries and in socialist and capitalist countries. New or hitherto neglected issues include: the extermination of native populations by colonial powers, husband-wife differences in determining family size, and the recently reported increase in infant mortality in the Soviet Union.

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.

"Far from a dictionary, the concepts are portrayed as complex, and conflicting definitions and usages are both noted and evaluated... Each article includes a (necessarily selective) set of references, and cross-references to other concepts included in the book... Moreover, the coverage and evaluation of the concepts is right at the current leading edge in a rapidly moving field." - Victor Marshall,

Department of Sociology and Institute on Aging, University of North Carolina at Chapel Hill "The concepts are very clear and very relevant, and fantastic for my group of undergraduate students... I found each concept to be succinctly and simply captured, holding enough information to satisfy initial cravings and complex enough to tempt further reading... I had originally thought that this book would provide supplementary reading as part of my 'Healthy Ageing' course, but have changed my mind to essential reading now I have had the opportunity to read the entire book." - Dr Meredith Tavener, Groningen University Social

gerontology is a new and dynamic field reflecting the increasing interest in ageing across the world. This book provides a readily accessible guide to well established and contested issues, as well as new concepts emerging through cutting edge research in the discipline. The entries give concise, lucid knowledge on what constitutes the 'building blocks' of social gerontology and sets out a clear review of the core concepts, both classic and emerging, in this subject area.

Each concept is explored in terms of its history, application, usefulness to theory and research, and significance in practice. They go beyond simple definitions of the concepts to look at how each issue has shaped the discipline of social gerontology today. This book is authored by social gerontologists from the UK and the USA. Together they present an interdisciplinary perspective and reflect a global approach to the presentation of key concepts in social gerontology.

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9780534529765. This item is printed on demand.

An interactive computer simulation consisting of 2 parts: the introduction covers the basics of population dynamics, including birth and death rates, migration, etc. The experiment mode is for setting up and running population experiments.

An authoritative overview of the concepts and applications of biological demography This book provides a comprehensive introduction to biodemography, an exciting interdisciplinary field that unites the natural science of biology with the social science of human demography. Biodemography is an essential resource for demographers, epidemiologists, gerontologists, and health professionals as well as ecologists, population biologists, entomologists, and conservation biologists. This accessible and innovative book is also ideal for the classroom. James Carey and Deborah Roach cover everything from baseline demographic concepts to biodemographic applications, and present models and equations in discrete rather than continuous form to enhance mathematical accessibility. They use a wealth of real-world examples that draw from data sets on both human and nonhuman species and offer an interdisciplinary approach to demography like no other, with topics ranging from kinship theory and family demography to reliability engineering, tort law, and demographic disasters such as the Titanic and the destruction of Napoleon's Grande Armée. Provides the first synthesis of demography and biology Covers baseline demographic models and concepts such as Lexis diagrams, mortality, fecundity, and population theory Features in-depth discussions of biodemographic applications like harvesting theory and mark-recapture Draws from data sets on species ranging from fruit flies and plants to elephants and humans Uses a uniquely interdisciplinary approach to demography, bringing together a diverse range of concepts, models, and applications Includes informative "biodemographic shorts," appendixes on data visualization and management, and more than 150 illustrations of models and equations

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Demographic Methods and Concepts makes accessible the most commonly needed techniques for working with population statistics, irrespective of the reader's mathematical background. For the first time in such a text, concepts and practical strategies needed in the interpretation of demographic indices and data are included. Spreadsheet training exercises enable students to acquire the computer skills needed for demographic work. The accompanying free CD-ROM contains innovative, fully integrated learning modules as well as applications facilitating demographic studies.

?Universe books,New York,1974????

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