An Introduction to Statistical Concepts

An Introduction to Population

An Introduction to Population Genetics Theory

A Primer of Population Dynamics introduces to the basics of population studies. Author Krishan Namboodiri utilizes a question-and-answer format that explores topics such as population theories and conceptual schemes, demographic data, mortality, fertility, migration, family and household, food production, and the environment and much more. Questions are accompanied by detailed explanations as well as references for additional information. An extensive index and glossary allow for easy retrieval of information. This introductory textbook is written for students studying demography, population, sociology, and public health.

Population Biology

Never HIGHLIGHT a Book Again! Virtually all of the testable terms, concepts, persons, places, and events from the textbook are included. Cram101 Just the FACTS101 studyguides give all of the outlines, highlights, notes, and quizzes for your textbook with optional online comprehensive practice tests. Only Cram101 is Textbook Specific. Accompanies: 9781111185978 .

Instructor's Manual for Population

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Introduction to Theoretical Population Genetics

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.

Provinces

A comprehensive reader in population studies, this multidisciplinary collection of essays covers basic issues and current controversies in the field from a variety of theoretical perspectives. The distinguished contributors discuss the economics of fertility, social causes of mobility, illegal immigration and refugee migration, Third World urbanization, Malthusian, Marxian, and demographic transition theory, the census undercount, and population policy around the world, while also examining new or hitherto neglected issues such as the extermination of native populations by colonial powers, husband-wife differences in determining family size, increased infant mortality in the Soviet Union, infertility, and the recent change in U.S. foreign policy from antinatalism to pronatalism. Specifically designed as a sourcebook for students at all levels, the book includes chapter guides, an annotated table of contents, and suggestions for further reading that make it an invaluable classroom aid.

Population

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.

Fundamentals of Demographic Analysis: Concepts, Measures and Methods

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 plans. 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 assertive 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.

Population and Society

This low-cost THOMSON ADVANTAGE BOOKS version of POPULATION introduces you to population issues, concepts and theories. While keeping larger population issues in perspective, the text closely examines key factors in population processes, from fertility and mortality rates to agricultural production and urbanization. The text addresses both population problems and potential solutions, and includes intriguing essays, interesting examples, and up-to-date Internet resources.
Studyguide for Population

Outlines and Highlights for Population

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Population

Biodemography

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.

Bevölkerung und soziale Entwicklung

This comprehensive, flexible text is used in both one- and two-semester courses to review introductory through intermediate statistics. Instructors select the topics that are most appropriate for their course. Its conceptual approach helps students more easily understand the concepts and interpret SPSS and research results. Key concepts are simply stated and occasionally reintroduced and related to one another for reinforcement. Numerous examples demonstrate their relevance. This edition features more explanation to increase understanding of the concepts. Only crucial equations are included. In addition to updating throughout, the new edition features: New co-author, Debbie L. Hahs-Vaughn, the 2007 recipient of the University of Central Florida’s College of Education Excellence in Graduate Teaching Award. A new chapter on logistic regression models for today’s more complex methodologies. More on computing confidence intervals and conducting power analyses using G*Power. Many more SPSS screenshots to assist with understanding how to navigate SPSS and annotated SPSS output to assist in the interpretation of results. Extended sections on how to write-up statistical results in APA format. New learning tools including chapter-opening vignettes, outlines, and a list of key concepts, many more examples, tables, and figures, boxes, and chapter summaries. More tables of assumptions and the effects of their violation including how to test them in SPSS. 33% new conceptual, computational, and all new interpretative problems. A website that features PowerPoint slides, answers to the even-numbered problems, and test items for instructors, and for students the chapter outlines, key concepts, and datasets that can be used in SPSS and other packages, and more. Each chapter begins with an outline, a list of key concepts, and a vignette related to those concepts. Realistic examples from education and the behavioral sciences illustrate those concepts. Each example examines the procedures and assumptions and provides instructions for how to run SPSS, including annotated output, and tips to develop an APA style write-up. Useful tables of assumptions and the effects of their violation are included, along with how to test assumptions in SPSS. ‘Stop and Think’ boxes provide helpful tips for better understanding the concepts. Each chapter includes computational, conceptual, and interpretive problems. The data sets used in the examples and problems are provided on the web. Answers to the odd-numbered problems are given in the book. The first five chapters review descriptive statistics including ways of representing data graphically, statistical measures, the normal distribution, and probability and sampling. The remainder of the text covers inferential statistics involving means, proportions, variances, and correlations, basic and advanced analysis of variance and regression models. Topics not dealt with in other texts such as robust...
methods, multiple comparison and nonparametric procedures, and advanced ANOVA and multiple and logistic regression models are also reviewed. Intended for one- or two-semester courses in statistics taught in education and/or the behavioral sciences at the graduate and/or advanced undergraduate level, knowledge of statistics is not a prerequisite. A rudimentary knowledge of algebra is required.

Human Population Genomics

The focus is on the formulation and solution of mathematical models with the idea of a population employed mainly as a pedagogical tool. If the biological setting is stripped away, the material can be interpreted as topics or the qualitative behavior of differential and difference equations. The first group of models investigate the dynamics of a single species, with particular interest in the consequences of treating time and population size in discrete and continuous terms. The second group study is the interaction of two or more species. A final section on complexity and stability attempts to summarize one of the basic questions in ecology using many of the developed ideas. At the conclusion of each topic, problems are provided to provide practice with mathematical concepts and techniques and an annotated list of references is also given at these points in the material. The document concludes with solutions to problems. (MP)


An Introduction to Population Geographies provides a foundation to the incredibly diverse, topical and interesting field of twenty-first-century population geography. It establishes the substantive concerns of the subdiscipline, acknowledges the sheer diversity of its approaches, key concepts and theories and engages with the resulting major areas of academic debate that stem from this richness. Written in an accessible style and assuming little prior knowledge of topics covered, yet drawing on a wide range of diverse academic literature, the book’s particular originality comes from its extended definition of population geography that locates it firmly within the multiple geographies of the life course. Consequently, issues such as childhood and adulthood, family dynamics, ageing, everyday mobilities, morbidity and differential ability assume a prominent place alongside the classic population geography triumvirate of births, migrations and deaths. This broader framing of the field allows the book to address more holistically aspects of lives across space often provided little attention in current textbooks. Particular note is given to how these lives are shaped though hybrid social, biological and individual arenas of differential life course experience. By engaging with traditional quantitative perspectives and newer qualitative insights, the authors engage students from the quantitative macro scale of population to the micro individual scale. Aimed at higher-level undergraduate and graduate students, this introductory text provides a well-developed pedagogy, including case studies that illustrate theory, concepts and issues.

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Perspectives on Population

Provinces is both a study of Canadian provincial government and a review of comparative politics. As such, it represents a long overdue return to the comparative tradition with its emphasis on subject-specific studies across the country. The chapters in this revised edition of Provinces, each of which has been written for the book by a leading scholar, are arranged according to four major sections: political life, institutions, public administration, and public policy, making the book highly suitable for those interested in areas beyond provincial politics. At the same time, the adopted comparative approach reveals a wealth of insight into Canadian politics at the beginning of the new millennium. This new edition covers some of the vital concerns of our time: a disquiet about the quality of democracy, concern about women’s place in provincial societies, interest in the nature and potential of governance in the north, unease on the question of the fiscal imbalance between all orders of government, a sensitivity to the needs of cities and communities, assessment of the retrenchment of the state, and consideration of the policy futures influenced by the changing demography of the provinces. Special Combined Price: Provinces, second edition may be ordered together with The Provincial State in Canada: Politics in the Provinces and Territories at a special discounted price. In order to secure the package price, the following ISBN must be used when ordering: 978-1-55402-587-9.

Population: An Introduction to Concepts and Issues

Over the course of twenty years and across three editions, this text has approached case management as both an art and a science by providing students and practitioners with the basics of case management theory, skills, and applications. This fourth edition, which focuses on both the social work and nursing professions, offers trainers, instructors, and students detailed information about how case management is delivered, major issues encountered in practice, how services are affected by different populations, and the unique skills that are required by case managers in order to be effective. Chapter exercises and numerous case examples help readers practice some of the skills associated with the content offered. Case Management is unique in that it brings together the major professions that conduct case management in the United States. It is focused on skill learning more than on theory, and discusses not only the importance of case management in the current social work and medical milieu, but also the challenges that case managers face in helping clients. In addition, the text offers a model for integrated case management between professions and in numerous settings, including nursing centers, community mental health facilities, and criminal justice centers.

Current Population Survey

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An Introduction to Population Geographies

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
Population: An Introduction to Concepts and Issues

This textbook provides a concise introduction and useful overview of the field of human population genomics, making the highly technical and contemporary aspects more accessible to students and researchers from various fields. Over the past decade, there has been a deluge of genetic variation data from the entire genome of individuals from many populations. These data have allowed an unprecedented look at human history and how natural selection has impacted humans during this journey. Simultaneously, there have been increased efforts to determine how genetic variation affects complex traits in humans. Due to technological and methodological advances, progress has been made at determining the architecture of complex traits. Split in three parts, the book starts with the basics, followed by more advanced and current research. The first part provides an introduction to essential concepts in population genetics, which are relevant for any organism. The second part covers the genetics of complex traits in humans. The third part focuses on applying these techniques and concepts to genetic variation data to learn about demographic history and natural selection in humans. This new textbook aims to serve as a gateway to modern human population genetics research for those new to the field. It provides an indispensable resource for students, researchers and practitioners from disparate areas of expertise.


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.

Perspectives on Canada's Population

Population biology has been investigated quantitatively for many decades, resulting in a rich body of scientific literature. Ecologists often avoid this literature, put off by its apparently formidable mathematics. This textbook provides an introduction to the biology and ecology of populations by emphasizing the roles of simple mathematical models in explaining the growth and behavior of populations. The author only assumes acquaintance with elementary calculus, and provides tutorial explanations where needed to develop mathematical concepts. Examples, problems, extensive marginal notes and numerous graphs enhance the book's value to students in classes ranging from population biology and population ecology to mathematical biology and mathematical ecology. The book will also be useful as a supplement to introductory courses in ecology.

Geschichte der Gouvernamentalität

"David Heer's biography of Kingsley Davis is based on material contained in the Kingsley Davis Archive at the Hoover Institution Library at Stanford University, the Kingsley Davis graduate file at Harvard University, the interview of Kingsley Davis by Jean van der Tak in Demographic Destinies (1990), and David Heer's personal relationship with Kingsley Davis. The book also contains thirty of the most important writings by Kingsley Davis. These were chosen, in part, for the number of citations received in the Cumulative Social Science Citation Index, and in part to ensure that readers would be able to assess the continuity of Kingsley Davis's ideas at all stages of his career."--BOOK JACKET.

Die Grenzen des Wachstums
Perspectives on Population

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.

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Case Management

Studyguide for Population

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.

Kingsley Davis

The sixth edition of Environment and Society continues to connect issues about human societies, ecological systems, and the environment with data and perspectives from different fields. While the text looks at environmental issues from a primarily sociological viewpoint, it is designed for courses in Environmental Sociology and Environmental Issues in departments of Sociology, Environmental Studies, Anthropology, Political Science, and Human Geography. Clearly defined terms and theories help familiarize students from various backgrounds with the topics at hand. Each of the chapters is significantly updated with new data, concepts, and ideas. Chapter Three: Climate Change, Science and Diplomacy, is the most extensively revised with current natural science data and sociological insights. It also details the factors at play in the establishment of the Paris Agreement and its potential to affect global climate change. This edition elevates questions of environmental and climate justice in addressing the human-environment relations and concerns throughout the book. Finally, each chapter contains embedded website links for further discussion or commentary on a topic, concludes with review and reflection questions, and suggests further readings and internet sources.

Introduction to Population Modeling

The new edition of An Introduction to Statistical Concepts is designed to help students really understand statistical concepts, the situations in which they can be used, and how to apply them to data. Hahs-Vaughn and Lomax discuss the most popular, along with many of the lesser-known, procedures and models, whilst also exploring nonparametric procedures used when standard assumptions are violated. They provide in-depth coverage of testing assumptions and highlight several online tools for computing statistics (e.g., effect sizes and their confidence intervals and power). This comprehensive, flexible, and

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accessible text includes a new chapter on mediation and moderation; expanded coverage of effect sizes; and discussions of sensitivity, specificity, false positive, and false negative, along with using the receiver operator characteristic (ROC) curve. This book, noted for its crystal-clear explanations, and its inclusion of only the most crucial equations, is an invaluable resource for students undertaking a course in statistics in any number of social science and behavioral disciplines—from education, business, communication, exercise science, psychology, sociology and more.

Population: An Introduction to Concepts and Issues


Eine Abhandlung Über Das Bevölkerungsgesetz, Oder Eine Untersuchung Seiner Bedeutung Für Die Menschliche Wohlfahrt in Vergangenheit Und Zukunft

Discussing the scope and key concepts of the study of population, it considers the basic processes of fertility, mortality, migration, population composition, demography data and population processes, and assesses the problems within the field.

Environment and Society

Any class in Population/Demography is a lot more interesting when you are using this book. POPULATION does more than give you information; it also shows you how to put it into practice. From the debates over how to manage population growth in some countries, and aging populations in others, to the issues of how amazingly different the world is when people are living in urban areas with considerable control over their own mortality and fertility, POPULATION helps you understand how the world really works and how population dynamics relate to socio-economic transitions and sustainable development. You’ll find compelling writing, intriguing essays and built-in study aids that help you review and prepare for tests – while also equipping you for the rest of your life on this planet. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

An Introduction to Statistical Concepts

STUDYGUIDE FOR POPULATION ES 9

This book covers those areas of theoretical population genetics that can be investigated rigorously by elementary mathematical methods. I have tried to formulate the various models fairly generally and to state the biological as sumptions quite explicitly. I hope the choice and treatment of topics will en able the reader to understand and evaluate detailed analyses of many specific models and applications in the literature. Models in population genetics are highly idealized, often even over idealized, and their connection with observation is frequently remote. Further more, it is not practicable to measure the parameters and variables in these models with high accuracy. These regrettable circumstances amply justify the use of appropriate, lucid, and rigorous approximations in the analysis of our models, and such approximations are often illuminating even when exact solu tions are available. However, our empirical
and theoretical limitations justify neither opaque, incomplete formulations nor unconvincing, inadequate analyses, for these may produce uninterpretable, misleading, or erroneous results. Intuition is a principal source of ideas for the construction and investigation of models, but it can replace neither clear formulation nor careful analysis. Fisher (1930; 1958, pp. x, 23-24, 38) not only espoused similar ideas, but he recognized also that our concepts of intuition and rigor must evolve in time. The book is neither a review of the literature nor a compendium of results. The material is almost entirely self-contained. The first eight chapters are a thoroughly revised and greatly extended version of my published lecture notes (Nagylaki, 1977a).

**Farbenblind**

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**A Primer of Population Dynamics**

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