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Individual Susceptibility to Genotoxic Agents in the Human Population Human Population Academy: Laws Of Human Nature Potential Health Effects in Human Populations from Exposure to Ethylene Dibromide Evolution in Age-Structured Populations The Future of the Arctic Human Population Admixture Dynamics, Natural Selection and Diseases in Admixed Populations Human Population Genetics Inventory of Federal Population Research Population Sciences Inventory of Federal Population Research Population, Consumption, and the Environment Population Genetics and Belonging The History of Human Populations Imploding Populations in Japan and Germany Environmental Compliance and Sustainability An Introduction to Population A History of Population Health International Farm Animal, Wildlife and Food Safety Law Procreation and Population in Historical Social Science Population Dynamics in Prehistory and Early History The Population Biology of Tuberculosis Growth and Structure of Human Population in the Presence of Migration The Health of Populations population and food supply The Environmental Implications of Population Dynamics The Ecology of Tropical East Asia Ocular Radiation Risk Assessment in Populations Exposed to Environmental Radiation Contamination A Guide to Forensic DNA Profiling Theology for Earth Community Population and Reproduction Research Abstracts Hearing Threshold Levels of "isolated" Human Populations The Bioarchaeology of Social Control The Basic Approach to Age-Structured Population Dynamics Introduction to Population Science Population Crisis Advances in Artificial Life

Individual Susceptibility to Genotoxic Agents in the Human Population

2012-12-06

as a result of the industrial revolution man s technological achievements have been truly great increasing the quality of life to almost unimagined proportions but all this progress has not been accomplished without equally un imagined health risks sufficiently diagnostic short term assay procedures have been developed in recent years for us to determine that there are mutagenic agents among thou sands of chemicals to which the human population is exposed today these chemicals were not significantly present prior to the indus trial revolution as of today there are no procedures available which have been adequately demonstrated to assess individual sus ceptibility to genotoxic exposures and as a result we have had to rely on extrapolating toxicological data from animal model systems the question is can we afford to allow such an increased environ mental selection pressure via mutagenic exposures to occur without expecting adverse long term effects on our health it is apparent from this line of reasoning that what is lacking and immediately needed are test procedures that can be applied to humans to assess genotoxic exposure as well as individual susceptibility to it there have already been two conferences which have focused at tention on this research area guidelines for studies of human populations exposed to mutagenic and reproductive hazards a d bloom ed march of dimes birth defects foundation white plains new york 1981 and indicators of genotoxic exposure in humans banbury report 13 b a bridges b e butterworth and i b

Human Population Academy: Laws Of Human Nature

2012-11-19

have you ever considered that the root or cause of many problems and misunderstandings are fundamental differences between people the solution to problems is in knowing these differences and living in harmony with nature because laws of nature apply to everything and everyone power gained through the knowledge about nature and programs implanted by nature guarantees the survival of the fittest and enables anyone to organize things around them to their own benefit education increases one s cultural level and as a result one s survival rate in the environment the results of this research include detailed recipes on how to develop solve any problems improve sex life and more now any human being can achieve their goals and dreams become stronger healthier wiser sexier more powerful and get to such heights of which many do not even know the journey is worth it by learning how to live in harmony with nature itself together we can advance this civilization as a whole begin your journey right now hpa press publishes works that further the human population academy s mission to educate people around the world about the laws of human nature the catalog of human population catalog of human souls and research of its source shan hai jing visit our website humanpopulationacademy org we have invented nothing and we do not invent we simply read the text we do not know how many millions of years old it is and since this text shan hai jing exists has been passed to us by someone left to us to study hence we should research it and if it does not occur type homo then remains a seed which will never grow into a tree a davydov o skorbatyuk shilab org

Potential Health Effects in Human Populations from Exposure to Ethylene Dibromide

1984

the populations of many species of animals and plants are age structured i e the individuals present at any one time were born over a range of different times and their fertility and survival depend on age the properties of such populations are important for interpreting experiments and observations on the genetics of populations for animal and plant breeding and for understanding the evolution of features of life histories such as senescence and time of reproduction in this new edition brian charlesworth provides a comprehensive review of the basic mathematical theory of the demography and genetics of age structured populations the mathematical level of the book is such that it will be accessible to anyone with a knowledge of basic calculus and linear algebra

Evolution in Age-Structured Populations

1994-06-30

the future of the arctic human population seeks to explore the challenges of arctic migration immigrants and refugees and how integrated societies can be developed moreover it discusses disparities between regions on policies and their implementation this book explores how cross border cooperation is needed to provide innovative solutions to migration challenges such as cultural differences acceptance and integration into local communities and joining the labour market it examines whether there are regional differences in well being among immigrants in arctic countries the book considers how we can build and model integrated societies and what tools and measure can be used to assess inclusive and resilient societies

The Future of the Arctic Human Population

2022-05-12

in this thesis dr jin presents the distribution of ancestral chromosomal segments in the admixed genome which could provide the information needed to explore population admixture dynamics the author derives accurate population histories of african americans and mexicans using genome wide single nucleotide polymorphisms snps data mapping the genetic background facilitates the study of natural selection in the admixed population and the author identifies the signals of selection in african americans since their african ancestors left for america he further demonstrates that many of the selection signals were associated with african american specific high risk diseases such as prostate cancer and hypertension suggesting an important role these disease related genes might have played in adapting to their new environment lastly the author reveals the complexity of natural selection in shaping human susceptibility to disease the thesis significantly advances our understanding of the recent population admixture adaptation

to local environment and its health implications

Admixture Dynamics, Natural Selection and Diseases in Admixed Populations

2015-10-20

introductory guide to human population genetics and microevolutionary theory providing an introduction to mathematical population genetics human population genetics gives basic background on the mechanisms of human microevolution this text combines mathematics biology and anthropology and is best suited for advanced undergraduate and graduate study thorough and accessible human population genetics presents concepts and methods of population genetics specific to human population study utilizing uncomplicated mathematics like high school algebra and basic concepts of probability to explain theories central to the field by describing changes in the frequency of genetic variants from one generation to the next this book hones in on the mathematical basis of evolutionary theory human population genetics includes helpful formulae for learning ease graphs and analogies that make basic points and relate the evolutionary process to mathematical ideas glossary terms marked in boldface within the book the first time they appear in text citations that act as reference points for further research exemplary case studies topics such as hardy weinberg equilibrium inbreeding mutation genetic drift natural selection and gene flow human population genetics solidifies knowledge learned in introductory biological anthropology or biology courses and makes it applicable to genetic study note errata for the first edition can be found at the author s website employees oneonta edu relethjh hpg errata pdf

Human Population Genetics

2012-02-15

this book concentrates on the different ways in which the major world religions view the problems of overpopulation and excess resource consumption and how they approach possible solutions after examining the natural background and the human context the book moves on to consider both religious and secular approaches it analyzes how a particular religion s scriptures comment on the nature of people the environment people s place in the environment and their roles and responsibilities the historical dimension is derived from reviewing a particular religion s record in teaching about these issues often demonstrating how broader issues are addressed practical lessons are learned from religious guidelines that deal with current problems and offer solutions the authors consider aboriginal spirituality judaism christianity islam hinduism buddhism and chinese religions the secular approaches include secular ethics north south relations market forces the status of women and international law

Inventory of Federal Population Research

1977

this book explores how human population genetics has emerged as a means of imagining and enacting belonging in contemporary society venla oikkonen approaches population genetics as an evolving set of technological material narrative and affective practices arguing that these practices are engaged in multiple forms of belonging that are often mutually contradictory considering scientific popular and fictional texts with several carefully selected case studies spanning three decades the author traces shifts in the affective material and gendered preconditions of population genetic visions of belonging topics encompass the debate about mitochondrial eve ancient human dna temporality and nostalgia commercial genetic ancestry tests and tensions between continental and national genetic inheritance the book will be of particular interest to scholars and students of science and technology studies cultural studies sociology and gender studies

Population Sciences

1973

from classic demographic theory to the best contemporary thinking this book will fruitfully replace previous ways of looking at population expansion and contraction the 50 years of scholarship that covers 2 1 2 millennia peoples in all parts of the world and aggregates from hamlets to the global level this volume shows that populations grow or decline according to six related patterns looking at the path taken by unrestricted population growth the effects of limited resources demographic disaster population explosion and the implications of stable population theory and demographic transition for numerical trends harris reinterprets and insightfully interconnects all of these via six related growth curves opening the way for a better understanding of how populations expand through changes in births deaths and migrations and how they interact with their economic social and physical environments all six trend types the book shows are shaped by forces internal to the dynamics of populations themselves most frequently they increase in a constantly proportionally slowing curve as a specific stimulus is spent through expansion with shocks like war or epidemics they contract according to an upside down version of this curve the only two curves until recent times these are still the most common in local populations with modern economic and social change some populations mostly larger ones follow one of four newer growth patterns either increasing at a steady rate growing in a gradually slowing pattern between this constancy and the rapidly decelerating basic growth curve exploding in an accelerating fashion or in a few ominous cases decreasing in an accelerating decline where these curves occur depends on the distinctive ways populations interact with economic changes harris s findings have profound implications for understanding economic and social change these implications will be discussed in the following volume

Inventory of Federal Population Research

1995-11-16

japan and germany are at the vanguard of a new population dynamics in developed countries population decline in the absence of war famine and pandemics this book presents an in depth overview of the social and economic implications of this development

Population, Consumption, and the Environment

2017-09-19

this book provides a critical understanding of the challenges that exist in protecting the local and global environment through compliance efforts using existing environmental regulations the best compliance measures with the most useful regulations from over 50 countries are surveyed and are combined with science based quantitative analysis of geology hydrogeology and the chemistry of contaminants from anthropogenic sources the results are presented as a model that establishes a means by which protection of the environment can be greatly improved this is accomplished through a deeper understanding of our natural world and how anthropogenic activities and their management affect our planet features the first book that examines the successes of environmental regulation worldwide and highlights the areas that need improvement presents a tested and verified scientific model for enhanced environmental protection with scalability from local parcels to global levels describes and integrates the importance of understanding the geologic and hydrogeologic environment of urban and developed areas explains the importance of understanding the different types of pollution and their behavior in the environment identifies the need for consistency in banning chemicals that are harmful in not just one country but throughout the world

Population Genetics and Belonging

2001-07-30

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

The History of Human Populations

2011-06-09

winner of the 2021 choice outstanding academic title award in a history of population health johan p mackenbach offers a broad sweeping study of the spectacular changes in people s health in europe since the early 18th century most of the 40 specific diseases covered in this book show a fascinating pattern of rise and fall with large differences in timing between countries using a unique collection of historical data and bringing together insights from demography economics sociology political science medicine epidemiology and general history it shows that these changes and variations did not occur spontaneously but were mostly man made throughout european history changes in health and longevity were therefore closely related to economic social and political conditions with public health and medical care both making important contributions to population health improvement readers who would like to have a closer look at the quantitative data used in the trend graphs included in the book can find these it here

Imploding Populations in Japan and Germany

2019-11-04

this volume is an inspiring and breakthrough piece of academic scholarship and the first of its kind featuring a comprehensive reader friendly approach to teach the intricacies of the various aspects of international farm animal wildlife conservation food safety and environmental protection law the selected focus areas are grouped in sections such as agrobiodiversity fishing and aquaculture pollinators and pesticides soil management industrial animal production and transportation and international food trade farm animal welfare environmental protection biodiversity conservation and food safety are the core of the selected chapters every chapter provides real world examples to make the complex field easy to understand with its systematic approach this book is devoted to anyone interested in the subject becomes a valuable resource for professionals working in food regulation and provides a solid foundation for courses and master s programs in animal law environmental policy food and agriculture law and regulation of these subjects around the world through its emphasis on sustainable food production this work offers a cutting edge selection of evolving topics at the heart of the pertinent discourse as one of its highlights this books also provides tools for change a unique compilation and analysis of laws from the major farm animal product trading nations with these tools practitioners advocates policy makers and other state holders are equipped with information to start work toward improving farm animal welfare wildlife conservation and food safety through the use of law and policy

Environmental Compliance and Sustainability

1995-07-21

the book sees procreation the forgotten basis of population dynamics and its macrohistorical results through the lenses of world system analysis in a nondogmatic way this interdisciplinary book sheds light on the historical paths leading to the current unprecedented numbers of humans on the globe fuelled by the capitalist demand for labor and mediated by the role of women in society procreation and population is a critical text opposing the current disciplinary fences that demonstrably hinder our comprehension of social phenomena attentive to gender relations the book boldly tracks the big picture of population dynamics and its most reliable theories in times of postmodernist taboos on generalizations and on the search for the historical laws of human society

An Introduction to Population

2020-04-14

migrations and population dynamics are considered very problematic topics in the fields of ancient studies recent scholarship in pre historical population has generated new impulses by using scientific approaches using radiogenic and stable isotopes and palaeogenetics as well as computer simulation as a result the state of migration research has undergone rapid change several research groups presented papers at aconference held in berlin in 2010 addressing specific historical aspects of population dynamics and migration with no chronological or geographical restrictions in the light of cutting edge bio archaeological research this volume divided into three larger thematic sections isotope analysis population genetics and modelling and computer simulation presents experiences and insights about methodological approaches research results and prospects for future research in this area in a varied collection of papers scholars from widely diverse scientific disciplines present their approaches findings and interpretations to an audience far broader than the circles of the individual disciplines

A History of Population Health

2017-01-09

despite decades of developments in immunization and drug therapy tuberculosis remains among the leading causes of human mortality and no country has successfully eradicated the disease reenvisioning tuberculosis from the perspective of population biology this book examines why the disease is so persistent and what must be done to fight it treating tuberculosis and its human hosts as dynamic interacting populations christopher dye seeks new answers to key questions by drawing on demography ecology epidemiology evolution and population genetics dye uses simple mathematical models to investigate how cases and deaths could be reduced and how interventions could lead to the elimination dye s analysis reveals a striking gap between the actual and potential impact of current interventions especially drug treatment and he suggests placing more emphasis on early case detection and the treatment of active or incipient tuberculosis he argues that the response to disappointingly slow rates of disease decline is not to abandon long established principles of chemotherapy but to implement them with greater vigor summarizing epidemiological insights from

population biology dye stresses the need to take a more inclusive view of the factors that affect disease including characteristics of the pathogen individuals and populations health care systems and physical and social environments in broadening the horizons of the research the population biology of tuberculosis demonstrates what must be done to prevent control and defeat this global threat in the twenty first century

International Farm Animal, Wildlife and Food Safety Law

2021-08-03

the health of populations beyond medicine uses current research and in depth analysis to provide insights into the issues and challenges of population health a subject of increasing concern due largely to rapid population growth population aging rising costs and diminishing resources health inequality and the global rise in noncommunicable diseases reducing the global burden of disease requires prevention of disease incidence which is achievable through reduction of exposure to primary behavioral and secondary biomedical risk factors the 15 chapters of the book are divided into three sections that focus on the science of health the harm of medicine and how to achieve optimal health by highlighting the benefits of preventing incidence of disease this book illustrates how biomedicine needs to be repositioned form being the dominant approach in healthcare to being an adjunct to behavioral legislative social and other preventive means for optimizing population health heavily evidence based and thoroughly referenced with hundreds of scientific citations contains a glossary as well as valuable tables illustrations and information boxes to further explain core content provides fresh perspectives on issues related to rapid population growth population aging rising costs diminishing resources health inequality and more carefully distils extensive tracts of information clarifies misunderstandings and rebuts myths with the ultimate goal of encouraging better understanding of the action needed to promote optimal health for all

Procreation and Population in Historical Social Science

2012-07-04

this report discusses the relationship between population and environmental change the forces that mediate this relationship and how population dynamics specifically affect climate change and land use change

Population Dynamics in Prehistory and Early History

2015-07-07

tropical east asia is home to over one billion people and faces massive human impacts from its rising population and rapid economic growth it has

already lost more than half of its forest cover to agriculture and urbanization and has the highest rates of deforestation and logging in the tropics habitat loss coupled with hunting and the relentless trade in wildlife products threatens all its large and many of its smaller vertebrates despite these problems the region still supports an estimated 15 25 of global terrestrial biodiversity and a growing environmental awareness means that it is no longer assumed that economic development justifies environmental damage and no longer accepted that this trade off is inevitable effective conservation action now depends on integrating a clear understanding of the ecological patterns and processes in the region with the varied needs of its human population this third edition continues to provide an overview of the terrestrial ecology of tropical east asia from southern china to indonesia and from bhutan and bangladesh to the ryukyu islands of japan it retains the balance between compactness and comprehensiveness of the previous editions and the even handed geographical treatment of the whole region but it updates both the contents and the perspective approximately one third of the text is new or greatly modified reflecting the explosion of new research in the region in the last few years and the increasing use of new tools particularly from genomics and remote sensing the change in perspective largely reflects the growing realization that we are in a new epoch the anthropocene in which human activities have at least as large an influence as natural processes and that stopping or reversing ecological change is no longer an option this does not mean that biodiversity conservation is no longer possible or worthwhile but that the biodiverse future we strive for will inevitably be very different from the past the ecology of tropical east asia is an advanced textbook suitable for senior undergraduate and graduate level students taking courses on the terrestrial ecology of the east asian tropics as well as an authoritative r

The Population Biology of Tuberculosis

1982

the global medical and scientific communities need to standardize methodologies and agree on minimum criteria to permit inter study comparisons this book develops such standards presenting a series of recommendations that represent the first codification of the manner in which studies should be executed

Growth and Structure of Human Population in the Presence of Migration

2015-11-02

the increasingly arcane world of dna profiling demands that those needing to understand at least some of it must find a source of reliable and understandable information combining material from the successful wiley encyclopedia of forensic science with newly commissioned and updated material the editors have used their own extensive experience in criminal casework across the world to compile an informative guide that will provide knowledge and thought provoking articles of interest to anyone involved or interested in the use of dna in the forensic context following extensive

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introductory chapters covering forensic dna profiling and forensic genetics this comprehensive volume presents a substantial breadth of material covering fundamental material including sources of dna validation and accreditation analysis and interpretation including extraction quantification amplification and interpretation of electropherograms epgs evaluation including mixtures low template and transfer applications databases paternity and kinship mitochondrial dna wildlife dna single nucleotide polymorphism phenotyping and familial searching court report writing discovery cross examination and current controversies with contributions from leading experts across the whole gamut of forensic science this volume is intended to be authoritative but not authoritarian informative but comprehensible and comprehensive but concise it will prove to be a valuable addition and useful resource for scientists lawyers teachers criminologists and judges

The Health of Populations

1964

this volume brings together original essays by both seasoned professionals and emerging scholars who examine state of the art scholarship and pedagogy in ecologically alert theology authors assess what various theologians have to offer and draw implications for reshaping religious and environmental studies as well as preparing the next generations of church leaders or pastoral workers what needs to be done these authors ask to bring biblical studies systematics social ethics practical theology spiritual formation and liturgy up to speed with eco justice thought and action on environmental questions

population and food supply

2000

taking a bioarchaeological approach this book examines the ancestral pueblo culture living in the four corners region of the united states during the late pueblo i through the end of the pueblo iii period ad 850 1300 during this time a vast system of pueblo villages spread throughout the region creating what has been called the chaco phenomenon named after the large great houses in chaco canyon that are thought to have been centers of control through a bioarchaeological analysis of the human skeletal remains this volume provides evidence that key individuals within the hierarchical social structure used a variety of methods of social control including structural violence to maintain their power over the interconnected communities

The Environmental Implications of Population Dynamics

2019-06-27

this book provides an introduction to age structured population modeling which emphasizes the connection between mathematical theory and underlying biological assumptions through the rigorous development of the linear theory and the nonlinear theory alongside numerics the authors explore classical equations that describe the dynamics of certain ecological systems modeling aspects are discussed to show how relevant problems in the fields of demography ecology and epidemiology can be formulated and treated within the theory in particular the book presents extensions of age structured modeling to the spread of diseases and epidemics while also addressing the issue of regularity of solutions the asymptotic behavior of solutions and numerical approximation with sections on transmission models non autonomous models and global dynamics this book fills a gap in the literature on theoretical population dynamics the basic approach to age structured population dynamics will appeal to graduate students and researchers in mathematical biology epidemiology and demography who are interested in the systematic presentation of relevant models and mathematical methods

The Ecology of Tropical East Asia

1998-10-31

introduction to population ecology 2nd edition is a comprehensive textbook covering all aspects of population ecology it uses a wide variety of field and laboratory examples botanical to zoological from the tropics to the tundra to illustrate the fundamental laws of population ecology controversies in population ecology are brought fully up to date in this edition with many brand new and revised examples and data each chapter provides an overview of how population theory has developed followed by descriptions of laboratory and field studies that have been inspired by the theory topics explored include single species population growth and self limitation life histories metapopulations and a wide range of interspecific interactions including competition mutualism parasite host predator prey and plant herbivore an additional final chapter new for the second edition considers multi trophic and other complex interactions among species throughout the book the mathematics involved is explained with a step by step approach and graphs and other visual aids are used to present a clear illustration of how the models work such features make this an accessible introduction to population ecology essential reading for undergraduate and graduate students taking courses in population ecology applied ecology conservation ecology and conservation biology including those with little mathematical experience

<u>Ocular Radiation Risk Assessment in Populations Exposed to Environmental Radiation</u> Contamination

2016-03-08

provides a new rationale for recent developments in sociology which focus on establishing and explaining probabilistic regularities in human populations

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A Guide to Forensic DNA Profiling

2003-08-18

considers s 1676 to reorganize state dept and hew programs concerned with population growth

Theology for Earth Community

1969

thearti ciallifetermappearedmorethan 20 years agoin as mall corner of new mexico us a since then the area has developed dramatically many researchers joining enthusiastically and research groups sprouting everywhere this frenetic activity led to the emergence of several strands that are now established elds in themselves we are now reaching a stage that one may describe as maturer with more rigour more benchmarks more results more stringent acceptance criteria more applications in brief more sound science this which is the n ural path of all new areas comes at a price however a certain enthusiasm a certain adventurousness from the early years is fading and may have been lost on the way the eld has become more reasonable to counterbalance this and to encourage lively discussions a conceptual track where papers were judged on criteria like importance and or novelty of the concepts proposed rather than the experimental theoretical results has been introduced this year a conference on a theme as broad as arti cial life is bound to be very verse but a few tendencies emerged first elds like robotics and autonomous agents or evolutionary computation are still extremely active and keep on bringing a wealth of results to the a life community even there however new tendencies appear like collective robotics and more speci cally self assembling robotics which represent now a large subsection second new areas appear

Population and Reproduction Research Abstracts

1978

Hearing Threshold Levels of "isolated" Human Populations

2017-09-20

The Bioarchaeology of Social Control

2017-08-27

The Basic Approach to Age-Structured Population Dynamics

2015-05-26

Introduction to Population Ecology

1982

Proceedings of the 1980 Forum on Hypertension in Minority Populations

1958

Foreign Agriculture Circular

1994-06

Biology

2016

Sociology as a Population Science

1966

Population Crisis

2005-09-19

Advances in Artificial Life

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