

Sex Ratio Definition

Estimates of the Farm Population of the United States, April 1962 - 1963

Sex-selective abortion. Why it should be prohibited - Kamalesh Dey 2016-06-09

Essay from the year 2015 in the subject Health - Public Health, University of Bedfordshire (Health and Social Sciences), course: MSc in Public Health, language: English, abstract: The paper will talk about sex selective abortion and its negative impact on public health. The paper will also critically justify the statement "sex-selective abortion should be prohibited" through different arguments in the perspective of ethical and legal issues of health and social care. It was said that "Abortion is defined as the emptying practice of a pregnant uterus up to the twenty four weeks of pregnancy". However, unprompted abortion normally is called miscarriage. Abortion refers to the abolition of a fetus or embryo from the uterus just before its stage of viability. Sex selective abortion was defined as the practice of prenatal discrimination, in which a fetus is aborted just after the identification of its sex. This practice is promoting sex inequality in the society. Moreover, Sex-selective abortion is defined as the termination of a pregnancy based on the expected sex of the unborn baby. In general, female fetuses are the main victims of sex selective abortion in many countries in the world particularly in Southeast Europe, India, Pakistan and the People's Republic of China.

Sex Allocation - Stuart West 2009-09-28

Recent decades have witnessed an explosion of theoretical and empirical studies of sex allocation, transforming how we understand the allocation of resources to male and female reproduction in vertebrates, invertebrates, protozoa, and plants. In this landmark book, Stuart West synthesizes the vast literature on sex allocation, providing the conceptual framework the field has been lacking and demonstrating how sex-allocation studies can shed light on broader questions in evolutionary and behavioral biology. West clarifies fundamental misconceptions in the application of theory to empirical data. He examines the field's successes and failures, and describes the research areas where much important work is yet to be done. West reveals how a shared underlying theoretical framework unites findings of sex-ratio variation across a huge range of life forms, from malarial parasites and hermaphroditic worms to sex-changing fish and mammals. He shows how research on sex allocation has been central to many critical questions and controversies in evolutionary and behavioral biology, and he argues that sex-allocation research serves as a key testing ground for different theoretical approaches and can help resolve debates about social evolution, parent-offspring conflict, genomic conflict, and levels of selection. Certain to become the defining book on the subject for the next generation of researchers, *Sex Allocation* explains why the study of sex allocation provides an ideal model system for advancing our understanding of the constraints on adaptation among all living things in the natural world.

Exploring the Biological Contributions to Human Health - Institute of Medicine 2001-07-02

It's obvious why only men develop prostate cancer and why only women get ovarian cancer. But it is not obvious why women are more likely to recover language ability after a stroke than men or why women are more apt to develop autoimmune diseases such as lupus. Sex differences in health throughout the lifespan have been documented. *Exploring the Biological Contributions to Human Health* begins to snap the pieces of the puzzle into place so that this knowledge can be used to improve health for both sexes. From behavior and cognition to metabolism and response to chemicals and infectious organisms, this book explores the health impact of sex (being male or female, according to reproductive organs and chromosomes) and gender (one's sense of self as male or female in society). *Exploring the Biological Contributions to Human Health* discusses basic biochemical differences in the cells of males and females and health variability between the sexes from conception throughout life. The book identifies key research needs and opportunities and addresses barriers to research. *Exploring the Biological Contributions to Human Health*

will be important to health policy makers, basic, applied, and clinical researchers, educators, providers, and journalists-while being very accessible to interested lay readers.

Current Ornithology - Dennis M. Power 1991

Population Profiles - 2004

Quick reference for final population statistics from Census, 2001 for states and union territories in India.

Sex Ratios - Ian Hardy 2002

Sex ratios, the proportions of males and females in any given species, are important in evolutionary and behavioural ecology. This volume explores the context to and methods for many aspects of research on sex ratios, and will be an indispensable reference for all those working in this area.

The Laboratory Primate - 2005-09-19

A volume in the Handbook of Experimental Animals series, *The Laboratory Primate* details the past and present use of primates in biomedical research, and the husbandry, nutritional requirements, behaviour, and breeding of each of the commonly used species. Practical information on regulatory requirements, not available in other texts, is covered. Sections on experimental models cover the major areas of biomedical research, including AIDS, cancer, neurobiology and gene therapy. Assisted reproductive technology, tissue typing, and minimum group sizes for infectious disease/vaccine studies are also included. Two-color, user-friendly format, with copious illustrations and color plates Includes detailed, well-illustrated sections on gross & microscopic anatomy, common diseases, and special procedures, including surgical techniques

The Population of the United States - Donald J. Bogue 1985

Statistical analysis, population, population dynamics, demographic trends, USA - population growth (incl. Historical data), composition by race, ethnic group, sex, age group and marital status, geographic distribution, nuptiality, mortality, fertility, birth rates, internal migration, international migration, educational enrolment, educational level, labour force participation, employment status, occupation, income, unemployment, poverty, housing, etc., data on Puerto Rico, projections to 2025, definitions, data collecting methodology. Bibliography, graphs, statistical tables.

What Explains Sex Ratio at Birth - Siddhartha Mitra 2007

This paper tries to investigate the ultimate socio-economic determinants of the sex ratio at birth in the Indian case. A sex ratio at birth which is biased against female births can result in gender imbalance which in turn can have grave implications for society in the form of social unrest, demand driven increase in prostitution, kidnappings of women etc. Our study of the Indian case reveals that female literacy and share of rural population in total population affect sex ratio at birth, defined as the number of female births per 1000 male births, negatively whereas fertility rate affects it positively. This confirms suspicions voiced by other academicians that mere increase in female literacy might make women more effective agents of discrimination against female births. What is needed is targeted education which makes both men and women more accepting of female births. Poverty and religion were not found to be significant determinants of the sex ratio at birth.

The Theory of Sex Allocation - Eric L. Charnov 1982-11-21

This book is the first comprehensive treatment of sex allocation from the standpoint of modern evolutionary theory. It shows how the determination of sex ratio, resource allocation to sperm versus egg within simultaneous hermaphroditism, and the evolution of sex reversal can be explained as examples of a single process. The genetical theory, developed mostly with graphical arguments, also specifies when hermaphroditism and dioecy are themselves evolutionary stable. The work balances theory with field and laboratory research, providing critical tests of the theory by empirical studies of sex ratio in parasitoid wasps and mites, sex reversal in shrimp and coral reef fish, and allocation of resources to pollen versus

seeds in higher plants. In addition, the author offers an encyclopedic review of the field and laboratory work of other scientists, reviews many as yet untested hypotheses in sex allocation, and points toward numerous plant and animal systems that hold promise for future tests.

The Children of Atomic Bomb Survivors - National Research Council 1991-02-01

Do persons exposed to radiation suffer genetic effects that threaten their yet-to-be-born children?

Researchers are concluding that the genetic risks of radiation are less than previously thought. This finding is explored in this volume about the children of atomic bomb survivors in Hiroshima and Nagasaki—the population that can provide the greatest insight into this critical issue. Assembled here for the first time are papers representing more than 40 years of research. These documents reveal key results related to radiation's effects on pregnancy termination, sex ratio, congenital defects, and early mortality of children. Edited by two of the principal architects of the studies, J. V. Neel and W. J. Schull, the volume also offers an important comparison with studies of the genetic effects of radiation on mice. The wealth of technical details will be immediately useful to geneticists and other specialists. Policymakers will be interested in the overall conclusions and discussion of future studies.

Sex Ratios and Gender Role Perceptions - Elizabeth A. Boger 2013

This research investigated whether altering perceived sex ratios, defined as the number of men per 100 women, influenced gender role perceptions among college students. The specific area of interest within sex ratios was the effect of high versus low sex ratios. Existing work on the topic of sex ratios focused on demographic data. The focus of these studies was the impact of changing sex ratios on the individual, specifically participants' perceptions of romance, dating and women's gender roles. I hypothesized that for high sex ratios, participants would endorse statements of traditional dating and romance schemes, traditional women's roles, and socially conservative statements in general. For low sex ratios, I hypothesized that participants would report relaxed notions of dating and romance, egalitarian women's gender roles, and less social conservatism. In the pilot study, participants were exposed to a written manipulation presenting a fictional environment with an imbalanced sex ratio. Participants were asked about traditional romantic gestures, women's roles, and family structure. Results indicated that participants were responsive to the manipulation as hypothesized, although the effect was weak. Subsequent studies used a strengthened audio presentation of the information about sex ratios. For studies two and three a fictional island society was created that had either an excess of men or women. In study two, the manipulation focused on a fictional female character's choices regarding marriage, motherhood and career. In the third study, the manipulation focused on romance, dating, and careers without a central character. The outcome of these studies was as hypothesized; participants in the high sex ratio condition reported greater support for traditional romance and more constrained women's gender roles while low sex ratio condition participants reported less valuing of romance and formal dating behavior and less restricted gender roles. The overall results supported a theory of how unbalanced sex ratios affect society that was developed by Guttentag and Secord, but that has never previously been subjected to an experimental test. Implications of the outcome were discussed at the individual, local and global level.

Determination of Sex Ratios and Their Relationship to Nest Temperature of Loggerhead Sea Turtle (*Caretta caretta*, L) Hatchlings Produced Along the Southeastern Atlantic Coast of the United States - Kimberly Blair 2005

The Methods and Materials of Demography - Henry S. Shryock 1971

Worldwide Variations in Sex Ratio of Cancer Incidence - Syed-Ahsan Raza 2017

Context: International comparisons of cancer incidence rates are important sources of evidence for generating hypotheses about cancer etiology. The estimates of geographic variation in cancer incidence can be compromised by artifacts such as imperfect accuracy and completeness of available cancer incidence data among several others. The artifacts associated with incidence rates, can be potentially misleading when interpreting and comparing trends across cancer registries. The Sex Ratio (defined as the male-to-female cancer incidence rate) is one measure that can be less susceptible to ambiguity of interpretations by these artifacts, provided that the ascertainment of cancer cases is similar in males and females. Objectives:

Hence, the main aim of this study is to infer as to potential causes that drive sex ratio variability (i.e., the ratio of male to female incidence rates), of type specific cancers across time and geography, generating hypotheses. The secondary aim is to explore the extent to which country-level gender inequalities can provide clues on quality of cancer registries for selected cancer types through sex ratios. Methods: Cancer Incidence in Five Continents (CI-5), a database of population-based cancer registries obtained from International Agency for Research on Cancer (IARC), was used to access incidence data on 30 different cancers in 3 time-periods (i.e., 1974-77; 1988-92 and 2003-07) from 77, 142 and 281 cancer registries. Descriptive methods were used with recourse to mixed-effect regression methods for studying temporal trends and geographic variations in sex ratios. To explore gender bias, sex ratios for cancers of lung, bladder, esophagus, and larynx were tallied with two statistics namely UN's Gender Inequality Index and WHO's global tobacco prevalence estimates. Results: In the mixed-effect regression analysis using equal number of 76 long-standing cancer registries in each year from 1983 to 2007, and after adjusting for geographic variation in sex ratio, lung cancer had the highest sex ratio on average in the baseline year (i.e., 9.9), followed by esophagus (7.8), bladder (5.1), liver (3.8), pancreas (2.1), kidney (1.9) leukemia (1.8), non-Hodgkin's lymphoma (1.8), brain (1.6), rectum and anus (1.5), colon (1.2), eye (1.2), melanoma of skin (0.9), gallbladder (0.6), and thyroid (0.5). In registries belonging to countries, with low gender inequality and similar smoking prevalence in men and women (Sweden, Norway and Denmark), the sex ratio for lung cancer was relatively very low (1.2, 1.3 and 1.6). Whereas Spain with similar prevalence of smoking in men and women, showed an unusually high sex ratio for lung (7.1) as well as for other smoking associated cancers (bladder: 14.9; esophagus: 10.7; and larynx: 28.2). The results of our study also highlight several cancer types, in particular, kidney for which acknowledged and well-known risk factors are unlikely to fully explain the consistently stable male-female ratio of almost 2:1 across time and regions. Conclusions: The well-established risk factors in literature whose prevalence varies worldwide in both sexes, does not seem to decipher the curiously stable sex ratios in cancer of kidney maintained over three decades. This observation has made us to tentatively hypothesize that some endogenous factor such as a gene or gene variant might be able to explain the stable sex ratio of this cancer. Another cancer type, multiple myeloma is also consistently stable across time and place, and where the role of vitamin D has previously been postulated. The study points towards gaps in our understanding of causes of cancer risk in populations.

Theoretical Elements of Sex Ratio Evolution - Joseph William Stubblefield 1982

Theoretical Studies on Sex Ratio Evolution - Samuel Karlin 1986-07-21

This book deals with a key area of population genetics: the ratio of the sexes in a population, or the allocation of resources to male versus female reproductive function. Samuel Karlin and Sabin Lessard establish the formal theoretical aspects of the evolution of sex ratio within the constraints of genetic mechanisms of sex determination. Their results generalize and unify existing work on the topic, strengthening previous conceptions in some cases and, in other instances, offering new directions of research. There are two main approaches to understanding the causes and effects of sex ratio. One approach focuses on the optimization and adaptive functions of sex allocation, while the other emphasizes the consequences of genetic sex determination mechanisms. In discussing the utility of these two approaches, Professors Karlin and Lessard examine the principal sex-determining mechanisms and facts involved in sex ratio representations, the various genetic and environmental factors that contribute to adaptive sex expression, and the evolution of sex determining systems and controls. From a population genetic perspective, the authors derive evolutionary properties in support of the high incidence of 1:1 sex ratio in natural populations and investigate the conditions that can explain the occurrence of biased sex ratio.

Sex Ratio of Silchar - Dibyojyoti Bhattacharjee 2010

Sex ratio which is defined in India as the number of females per thousand males is in a decreasing rate in India. Like many third world countries sex preference of the parents towards the male child exists in India. Female infanticide is a social evil and is practiced in several societies of the country. With the advances of medical science this evil has taken a new shape. However, there are some societies in the country who are not over powered by this evil. The paper discuss one such society.

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