
The Oxford Dictionary Of Statistical Terms

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OSBORN ALLIE

A Primer for Scientists Oxford [England]

: Oxford University Press

Environmental epidemiology is the study of the environmental causes of disease in populations and how these risks vary in relation to intensity and duration of exposure and other factors like genetic susceptibility. As such, it is the basic science upon which governmental safety standards and compensation policies for environmental and occupational exposure are based. Profusely illustrated with

examples from the epidemiologic literature on ionizing radiation and air pollution, this text provides a systematic treatment of the statistical challenges that arise in environmental health studies and the use epidemiologic data in formulating public policy, at a level suitable for graduate students and epidemiologic researchers. After a general overview of study design and statistical methods for epidemiology generally, the book goes on to address the problems that are unique to environmental health studies, special-purpose designs like two-phase case-control studies and countermatching, statistical methods for modeling exposure-

time-response relationships, longitudinal and time-series studies, spatial and ecologic methods, exposure measurement error, interactions, and mechanistic models. It also discusses studies aimed at evaluating the public health benefits of interventions to improve the environment, the use of epidemiologic data to establish environmental safety standards and compensation policy, and concludes with emerging problems in reproductive epidemiology, natural and man-made disasters like global warming, and the global burden of environmentally caused disease. No other book provides such a broad perspective on the methodological

challenges in this field at a level accessible to both epidemiologists and statisticians.

The Oxford Handbook of Social Networks
Oxford University Press

The Concise Encyclopedia of Statistics presents the essential information about statistical tests, concepts, and analytical methods in language that is accessible to practitioners and students of the vast community using statistics in medicine, engineering, physical science, life science, social science, and business/economics. The reference is alphabetically arranged to provide quick access to the fundamental tools of statistical methodology and biographies of famous statisticians. The more than 500 entries include definitions, history, mathematical details, limitations, examples, references, and further readings. All entries include cross-references as well as the key citations. The back matter includes a timeline of statistical inventions. This reference will be an enduring resource for locating convenient overviews about this essential field of study.

A Dictionary of Statistics 3e Oxford Quick Reference

With over 11,000 authoritative and up-to-

date entries, this best-selling dictionary covers all branches of psychology including psychoanalysis and psychiatry. Clear, concise descriptions for each entry offer extensive coverage of key areas including cognition, sensation and perception, emotion and motivation, learning and skills, language, mental disorder, and research methods. Entries are extensively cross-referenced for ease of use, and cover word origins and derivations as well as definitions. Over 80 illustrations complement the text. In addition to the alphabetical entries, the dictionary also includes appendices covering over 800 commonly used abbreviations and symbols, as well as a list of phobias and phobic stimuli, with definitions. Now containing a list of recommended web links, accessible via the Dictionary of Psychology website, this dictionary is loaded with more useful and up-to-date information than any other dictionary of its kind. Comprehensive and jargon-free, the Dictionary of Psychology is an invaluable work of reference for students of psychology and related disciplines, professionals, and the general reader with an interest in the

workings of the mind.

Oxford Textbook of Global Public Health Oxford University Press, USA

The OECD Glossary contains a comprehensive set of over 6 700 definitions of key terminology, concepts and commonly used acronyms derived from existing international statistical guidelines and recommendations.

Applied Statistics with R Oxford University Press

Emphasizing why statistical techniques are essential tools for bioscientists,

Biomeasurement removes the stigma

attached to statistics by giving students

the confidence to use key techniques for

themselves. Placing the role of data

analysis in the context of the wider

scientific method and introducing students

to key terms and common statistical

concepts, the text demonstrates the power and importance of statistics throughout the study of bioscience.

A Dictionary of Psychology OUP Oxford

This wide-ranging dictionary covers over 2,300 statistical terms in accessible,

jargon-free language. All existing entries and web links have been revised and updated to ensure that the content is as relevant as possible. An indispensable reference work for any students or professionals who come into contact with statistics at work or university.

A Statistical Approach Oxford University Press on Demand

This text presents statistical mechanics and thermodynamics as a theoretically integrated field of study. It stresses deep coverage of fundamentals, providing a natural foundation for advanced topics. The large problem sets (with solutions for teachers) include many computational problems to advance student understanding.

Statistical Thinking from Scratch Oxford University Press on Demand

While some social scientists may argue that we have always been networked, the increased visibility of networks today across economic, political, and social domains can hardly be disputed. Social networks fundamentally shape our lives and social network analysis has become a vibrant, interdisciplinary field of research. In *The Oxford Handbook of Social*

Networks, Ryan Light and James Moody have gathered forty leading scholars in sociology, archaeology, economics, statistics, and information science, among others, to provide an overview of the theory, methods, and contributions in the field of social networks. Each of the thirty-three chapters in this Handbook moves through the basics of social network analysis aimed at those seeking an introduction to advanced and novel approaches to modeling social networks statistically. They cover both a succinct background to, and future directions for, distinctive approaches to analyzing social networks. The first section of the volume consists of theoretical and methodological approaches to social networks, such as visualization and network analysis, statistical approaches to networks, and network dynamics. Chapters in the second section outline how network perspectives have contributed substantively across numerous fields, including public health, political analysis, and organizational studies. Despite the rapid spread of interest in social network analysis, few volumes capture the state-of-the-art theory, methods, and substantive

contributions featured in this volume. This Handbook therefore offers a valuable resource for graduate students and faculty new to networks looking to learn new approaches, scholars interested in an overview of the field, and network analysts looking to expand their skills or substantive areas of research.

The Oxford Handbook of Economic Forecasting Cambridge University Press "Studies of evolution at the molecular level have experienced phenomenal growth in the last few decades, due to rapid accumulation of genetic sequence data, improved computer hardware and software, and the development of sophisticated analytical methods. The flood of genomic data has generated an acute need for powerful statistical methods and efficient computational algorithms to enable their effective analysis and interpretation. This advanced textbook is aimed at graduate level students and professional researchers (both empiricists and theoreticians) in the fields of bioinformatics and computational biology, statistical genomics, evolutionary biology, molecular systematics, and population genetics. It will also be of

relevance and use to a wider audience of applied statisticians, mathematicians, and computer scientists working in computational biology."--back cover.

A Dictionary of Sociology Longman Publishing Group

An international standard dictionary of world place names contains alphabetical entries with information on location, name pronunciation, topography, history, and economic and cultural activities

Statistical Data Analysis Oxford University Press, USA

Greater data availability has been coupled with developments in statistical theory and economic theory to allow more elaborate and complicated models to be entertained. These include factor models, DSGE models, restricted vector autoregressions, and non-linear models.

The New Statistics with R Oxford University Press

As well as over 4000 clear and concise entries, this dictionary also contains biographies of key figures in world history. Other useful features include, subject entries on religious and political movements, maps, and full international coverage.

French-English, English-French Peter Lang GmbH, Internationaler Verlag Der Wissenschaften

The word is central to both naive and expert theories of language. Yet the definition of 'word' remains problematic. The 42 chapters of this Handbook offer a variety of perspectives on this most basic and elusive of linguistic units.

The Joy of Statistics OUP Oxford
Researchers across the natural and social sciences find themselves navigating tremendous amounts of new data. Making sense of this flood of information requires more than the rote application of formulaic statistical methods. The premise of *Statistical Thinking from Scratch* is that students who want to become confident data analysts are better served by a deep introduction to a single statistical method than by a cursory overview of many methods. In particular, this book focuses on simple linear regression—a method with close connections to the most important tools in applied statistics—using it as a detailed case study for teaching resampling-based, likelihood-based, and Bayesian approaches to statistical inference. Considering simple linear

regression in depth imparts an idea of how statistical procedures are designed, a flavour for the philosophical positions one assumes when applying statistics, and tools to probe the strengths of one's statistical approach. Key to the book's novel approach is its mathematical level, which is gentler than most texts for statisticians but more rigorous than most introductory texts for non-statisticians. *Statistical Thinking from Scratch* is suitable for senior undergraduate and beginning graduate students, professional researchers, and practitioners seeking to improve their understanding of statistical methods across the natural and social sciences, medicine, psychology, public health, business, and other fields.

The Oxford Dictionary of Statistical Terms Oxford University Press

The majority of medical research involves quantitative methods and so it is essential to be able to understand and interpret statistics. This book shows readers how to develop the skills required to critically appraise research evidence effectively, and how to conduct research and communicate their findings.

The Oxford Handbook of Names and

Naming BoD – Books on Demand

The Oxford Dictionary of Statistical Terms Oxford University Press on Demand
Molecular Evolution Oxford University Press

If you use statistics and need easy access to simple, reliable definitions and explanations of modern statistical concepts, then look no further than this dictionary. Over 3600 terms are defined, covering medical, survey, theoretical, and applied statistics, including computational aspects. Entries are provided for standard and specialized statistical software. In addition, short biographies of over 100 important statisticians are given. Definitions provide enough mathematical detail to clarify concepts and give standard formulae when these are helpful. The majority of definitions then give a reference to a book or article where the user can seek further or more specialized information, and many are accompanied by graphical material to aid understanding.

An Introduction for Biologists Oxford University Press

The vast majority of statistics books delineate techniques used to analyze

collected data. The Joy of Statistics is not one of these books. It consists of a series of 42 "short stories", each illustrating how statistical methods applied to data produce insight and solutions to the questions the data were collected to answer. Real-life and sometimes artificial data are used to demonstrate the often painless method and magic of statistics. In addition, the text contains brief histories of the evolution of statistical methods and a number of brief biographies of the most famous statisticians of the 20th century. Sprinkled throughout are statistical jokes, puzzles and traditional stories. The levels of statistical texts span a spectrum, from elementary to introductory to application to theoretical to advanced mathematical. This book explores a variety of statistical applications using graphs and plots, along with detailed and intuitive descriptions, and occasionally a bit of 10th grade mathematics. Examples of a few of the topics included among these "short stories" are pet ownership, gambling games such as roulette, blackjack and lotteries, as well as more serious subjects such as comparison of black/white infant mortality risk, infant birth weight and

maternal age, estimation of coronary heart disease risk and racial differences in Hodgkin disease. The statistical descriptions of these topics are in many cases accompanied by easy to understand explanations labelled "How it Works."

[A Dictionary of Statistical Terms](#) The Oxford Dictionary of Statistical Terms In this handbook, scholars from around the world offer an up-to-date account of the state of the art in different areas of onomastics, in a format that is both useful to specialists in related fields and accessible to the general reader. All known languages make use of names, most commonly to identify individual people and places. Since Ancient Greece, names have been regarded as central to the study of language, and this has continued to be a major theme of both philosophical and linguistic enquiry throughout the history of Western thought. The investigation of name origins is more recent, as is the study of names in literature. Relatively new is the study of names in society, which draws on techniques from sociolinguistics and has gradually been gathering momentum over the last few decades. The structure of this

volume reflects the emergence of the main branches of name studies, in roughly chronological order. The first Part focuses on name theory and outlines key issues about the role of names in language, focusing on grammar, meaning, and discourse. Parts II and III deal with the study of place-names and personal names respectively, while Part IV outlines contrasting approaches to the study of names in literature, with case studies from different languages and time periods. Part V explores the field of socio-onomastics, with chapters relating to the names of people, places, and commercial products. Part VI then examines the interdisciplinary nature of name studies, before the concluding Part presents a selection of animate and inanimate referents ranging from aircraft to animals, and explains the naming strategies adopted for them.

Understanding Conventional Methods and Modern Insights OUP USA

The statistical analyses that students of the life-sciences are being expected to perform are becoming increasingly advanced. Whether at the undergraduate, graduate, or post-graduate level, this book provides the tools needed to properly analyze your data in an efficient, accessible, plainspoken, frank, and occasionally humorous manner, ensuring that readers come away with the knowledge of which analyses they should use and when they should use them. The book uses the statistical language R, which is the choice of ecologists worldwide and is rapidly becoming the 'go-to' stats program throughout the life-sciences. Furthermore, by using a single, real-world dataset throughout the book, readers are encouraged to become deeply familiar

with an imperfect but realistic set of data. Indeed, early chapters are specifically designed to teach basic data manipulation skills and build good habits in preparation for learning more advanced analyses. This approach also demonstrates the importance of viewing data through different lenses, facilitating an easy and natural progression from linear and generalized linear models through to mixed effects versions of those same analyses. Readers will also learn advanced plotting and data-wrangling techniques, and gain an introduction to writing their own functions. Applied Statistics with R is suitable for senior undergraduate and graduate students, professional researchers, and practitioners throughout the life-sciences, whether in the fields of ecology, evolution, environmental studies, or computational biology.