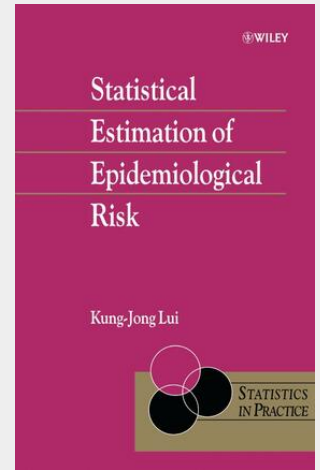


Statistical Estimation of Epidemiological Risk

Statistical Estimation of Epidemiological Risk provides coverage of the most important epidemiological indices, and includes recent developments in the field. A useful reference source for biostatisticians and epidemiologists working in disease prevention, as the chapters are self-contained and feature numerous real examples. It has been written at a level suitable for public health professionals with a limited knowledge of statistics. Other key features include: * Provides comprehensive coverage of the key epidemiological indices. * Includes coverage of various sampling methods, and pointers to where each should be used. * Includes up-to-date references and recent developments in the field. * Features many real examples, emphasising the practical nature of the book. * Each chapter is self-contained, allowing the book to be used as a useful reference source. * Includes exercises, enabling use as a course text.

Statistical estimation of indices for measuring risk is a key topic in epidemiology. A good estimator, that is unbiased and efficient, can help investigators search for the possible causes of disease. Good use of statistical methods can enable public health administrators to confidently allocate their limited resources to the appropriate methods of prevention and treatment. Statistical Estimation of Epidemiological Risk presents the most-commonly used measures of risk, and adopts a practical approach using many real and numerical examples to support the methodology. * Presents a practical overview of the key measures of epidemiological risk. * Features coverage of various sampling methods, and pointers to where each should be used. * Each measure discussed is supported by a number of real and numerical examples that highlight their practical use. * Each chapter is self-contained, allowing the book to be used as a reference source. * Includes an abundance of exercises, which give the reader a clearer understanding of the theory. * Suitable for epidemiologists and public health professionals with a modest statistical background. Statistical Estimation of Epidemiological Risk is both a useful practical reference for researchers from biostatistics and epidemiology, and an accessible textbook for graduate students studying epidemiological risk. The range of examples and exercises are of great practical benefit to public health professionals working in disease prevention and control, and set this book apart from others on the topic.



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