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biology, to use the book as a self-learning text.

This edition is a reprint of the second edition published in 2000 by Brooks/Cole and then Cengage Learning. Principles of Biostatistics is aimed at students in the biological and health sciences who wish to learn modern research methods. It is based on a required course offered at the Harvard School of Public Health. In addition to these graduate students, many health professionals from the Harvard medical area attend as well. The book is divided into three parts. The first five chapters deal with collections of numbers and ways in which to summarize, explore, and explain them. The next two chapters focus on probability and introduce the tools needed for the subsequent investigation of uncertainty. It is only in the eighth chapter and thereafter that the authors distinguish between populations and samples and begin to investigate the inherent variability introduced by sampling, thus progressing to inference. Postponing the slightly more difficult concepts until a solid foundation has been established makes it easier for the reader to comprehend them. All supplements, including a manual for students with solutions for odd-numbered exercises, a manual for instructors with solutions to all exercises, and selected data sets, are available at <http://www.crcpress.com/9781138593145>. Marcello Pagano is Professor of

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Statistical Computing in the Department of Biostatistics at the Harvard School of Public Health. His research in biostatistics is on computer intensive inference and surveillance methods that involve screening methodologies, with their associated laboratory tests, and in obtaining more accurate testing results that use existing technologies. Kimberlee Gauvreau is Associate Professor in the Department of Biostatistics and Associate Professor of Pediatrics at Harvard Medical School. Dr. Gauvreau's research focuses on biostatistical issues arising in the field of pediatric cardiology. She also works on the development and validation of methods of adjustment for case mix complexity.

This best-selling offering from the APHA/JB Learning Essential Public Health series is a clear and comprehensive study of the major topics of environmental health. Important Notice: The digital edition of this book is missing some of the images or content found in the physical edition.

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used in epidemiology, from descriptive techniques in report writing to model diagnostics from generalized linear models. The author discusses the advantages, disadvantages, and alternatives to case-control, cohort and intervention studies and details such crucial concepts as incidence, prevalence, confounding and interaction. Many exercises are provided, based on real epidemiological data sets collected from all over the world. The data sets are also available on an associated web site. Epidemiology: Study Design and Data Analysis will be an invaluable textbook for statistics and medical students studying epidemiology, and a standard reference for practicing epidemiologists.

The second edition of this standard text guides biomedical researchers in the selection and use of advanced statistical methods and the presentation of results to clinical colleagues. It assumes no knowledge of mathematics beyond high school level and is accessible to anyone with an introductory background in statistics. The Stata statistical software package is again used to perform the analyses, this time employing the much improved version 10 with its intuitive point and click as well as character-based commands. Topics covered include linear, logistic and Poisson regression, survival analysis, fixed-effects analysis of variance, and repeated-measure analysis of variance. Restricted cubic splines are used to model non-linear

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relationships. Each method is introduced in its simplest form and then extended to cover more complex situations. An appendix will help the reader select the most appropriate statistical methods for their data. The text makes extensive use of real data sets available at <http://biostat.mc.vanderbilt.edu/dupontwd/wddtext/>.

This updated edition shows how to use SAS to perform basic statistical analysis. General topics include creating a data set with SAS; summarizing data with descriptive statistics, frequency tables, and bar charts; comparing groups (t-tests, one-way ANOVA, and nonparametric analogues); performing basic linear regression (lines, curves, and two-variable models); performing simple regression diagnostics (residuals plots, studentized residuals); and creating and analyzing tables of data. Using real-life examples, this beginner's guide bridges the gap between statistics texts and SAS documentation.

A clear and concise introduction and reference for anyone new to the subject of statistics.

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