Epidemiologic Research: Principles and Quantitative Methods
David G. Kleinbaum, Lawrence L. Kupper, Hal Morgenstern


DESCRIPTION

Epidemiologic Research covers the principles and methodsof planning, analysis and interpretation of epidemiologic researchstudies. It supplies the applied researcher with the mostup-to-date methodological thought and practice. Specifically, thebook focuses on quantitative (including statistical) issues arisingfrom epidemiologic investigations, as well as on the questions ofstudy design, measurement and validity. EpidemiologicResearch emphasizes practical techniques, procedures andstrategies. It presents them through a unified approach whichfollows the chronology of issues that arise during theinvestigation of an epidemic. The book's viewpoint ismultidisciplinary and equally useful to the epidemiologicresearcher and to the biostatistician. Theory is supplementedby numerous examples, exercises and applications. Full solutions aregiven to all exercises in a separate solutions manual.

Important features

* Thorough discussion of the methodology of epidemiologicresearch

* Stress on validity and hence on reliability

* Balanced approach, presenting the most important prevailingviewpoints

* Three chapters with applications of mathematical modeling
David G. Kleinbaum is Associate Professor of Biostatistics and Epidemiology at the University of North Carolina School of Public Health and holds a Ph.D. from the University of North Carolina.

Lawrence L. Kupper is Professor of Biostatistics and Epidemiology at the University of North Carolina School of Public Health and holds a Ph.D. from the University of North Carolina. Drs. Kleinbaum and Kupper have worked on the development of applications of statistical methods to epidemiology for over ten years. They have conducted several epidemiological research studies and published their work in Biometrics and the American Journal of Epidemiology, among others. Their short course on the subject of this book is in high demand in the U.S. and internationally. They are also the authors of Applied Regression Analysis (Duxbury Press, 1977).

Hal Morgenstern is Assistant Professor of Epidemiology at the Yale University School of Public Health. Dr. Morgenstern's work focuses on epidemiologic research methods and he has published extensively on the subject in the American Journal of Epidemiology, the International Journal of Epidemiology, Biometrics and the Journal of Community Health. Much of his research is applied to planning and policy issues, as well as to cardiovascular disease and to senile dementia. Dr. Morgenstern holds a Ph.D. in Epidemiology from the University of North Carolina, as well as degrees in Architecture from M.I.T. and in Regional Planning from the University of North Carolina.

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