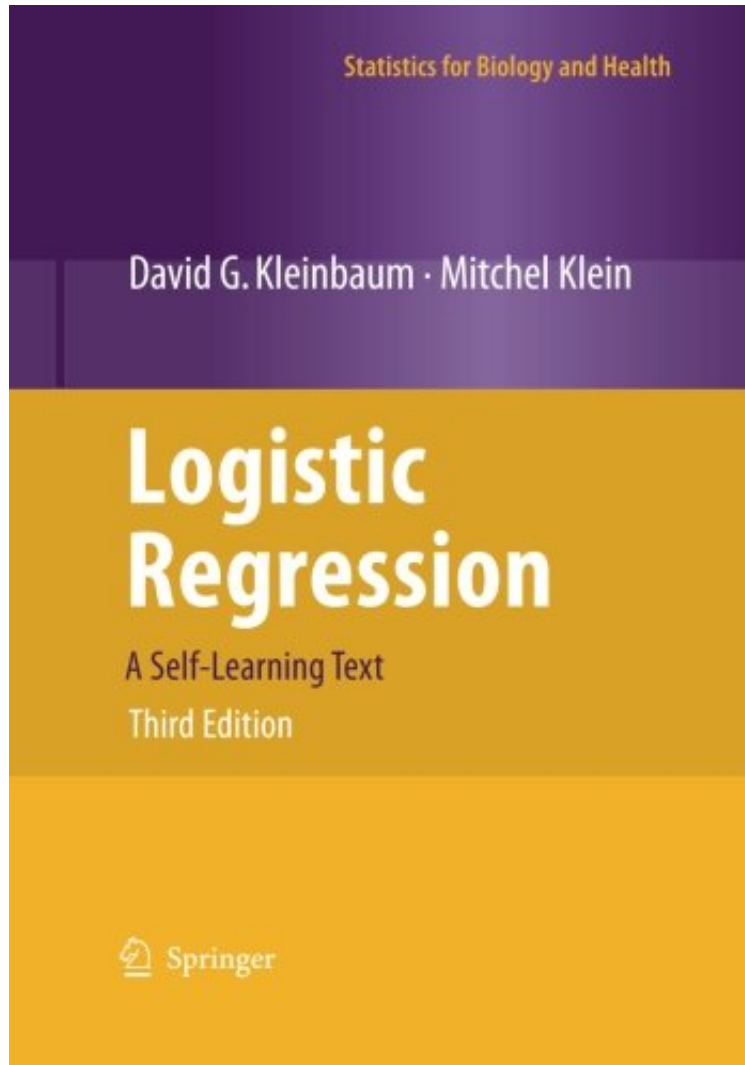


(Download free pdf) Logistic Regression: A Self-Learning Text (Statistics for Biology and Health)

Logistic Regression: A Self-Learning Text (Statistics for Biology and Health)

David G. Kleinbaum, Mitchel Klein
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David G. Kleinbaum, Mitchel Klein : Logistic Regression: A Self-Learning Text (Statistics for Biology and Health) before purchasing it in order to gauge whether or not it would be worth my time, and all praised Logistic Regression: A Self-Learning Text (Statistics for Biology and Health):

This is the third edition of this text on logistic regression methods, originally published in 1994, with its second edition published in 2002. As in the first two editions, each chapter contains a presentation of its topic in lecture?book format

together with objectives, an outline, key formulae, practice exercises, and a test. The lecture book has a sequence of illustrations, formulae, or summary statements in the left column of each page and a script (i. e. , text) in the right column. This format allows you to read the script in conjunction with the illustrations and formulae that highlight the main points, formulae, or examples being presented. This third edition has expanded the second edition by adding three new chapters and a modified computer appendix. We have also expanded our overview of modeling strategy guidelines in Chap. 6 to consider causal diagrams. The three new chapters are as follows: Chapter 8: Additional Modeling Strategy Issues Chapter 9: Assessing Goodness of Fit for Logistic Regression Chapter 10: Assessing Discriminatory Performance of a Binary Logistic Model: ROC Curves In adding these three chapters, we have moved Chaps. 8 through 13 from the second edition to follow the new chapters, so that these previous chapters have been renumbered as Chaps. 11-16 in this third edition.

From the reviews of the third edition: The third edition of this book continues the tradition of the authors of a two-column book that really does act as a self-learning text. The left-hand column is like a collection of PowerPoint slides, including generic-style computer output and diagrams to visualize the relationship between concepts. Each chapter contains about 10 exercises, some routine calculation and some asking for explanation of particular points. Answers are provided immediately. The reference list includes about 40 items and has been updated to include publications up to 2008. (Alice Richardson, *International Statistical*, Vol. 79 (2), 2011)

From the Back Cover This very popular textbook is now in its third edition. Whether students or working professionals, readers appreciate its unique "lecture book" format. They often say the book reads like they are listening to an outstanding lecturer. This edition includes three new chapters, an updated computer appendix, and an expanded section about modeling guidelines that consider causal diagrams. Like previous editions, this textbook provides a highly readable description of fundamental and more advanced concepts and methods of logistic regression. It is suitable for researchers and statisticians in medical and other life sciences as well as academicians teaching second-level regression methods courses. The new chapters are: Additional Modeling Strategy Issues, including strategy with several exposures, screening variables, collinearity, influential observations and multiple-testing Assessing Goodness of Fit for Logistic Regression Assessing Discriminatory Performance of a Binary Logistic Model: ROC Curves The Computer Appendix provides step-by-step instructions for using STATA (version 10.0), SAS (version 9.2), and SPSS (version 16) for procedures described in the main text. David Kleinbaum is Professor of Epidemiology at Emory University Rollins School of Public Health in Atlanta, Georgia. Dr. Kleinbaum is internationally known for his innovative textbooks and teaching on epidemiological methods, multiple linear regression, logistic regression, and survival analysis. He has taught more than 200 courses worldwide. The recipient of numerous teaching awards, he received the first Association of Schools of Public Health Pfizer Award for Distinguished Career Teaching in 2005. Mitchel Klein is Research Assistant Professor with a joint appointment in the Environmental and Occupational Health Department and the Epidemiology Department at Emory University Rollins School of Public Health. He has successfully designed and taught epidemiologic methods physicians at Emory's Master of Science in Clinical Research Program. Dr. Klein is co-author with Dr. Kleinbaum of the second edition of *Survival Analysis-A Self-Learning Text*.