Logistic Regression Models (Chapman Hall/CRC Texts in Statistical Science)

Joseph M. Hilbe
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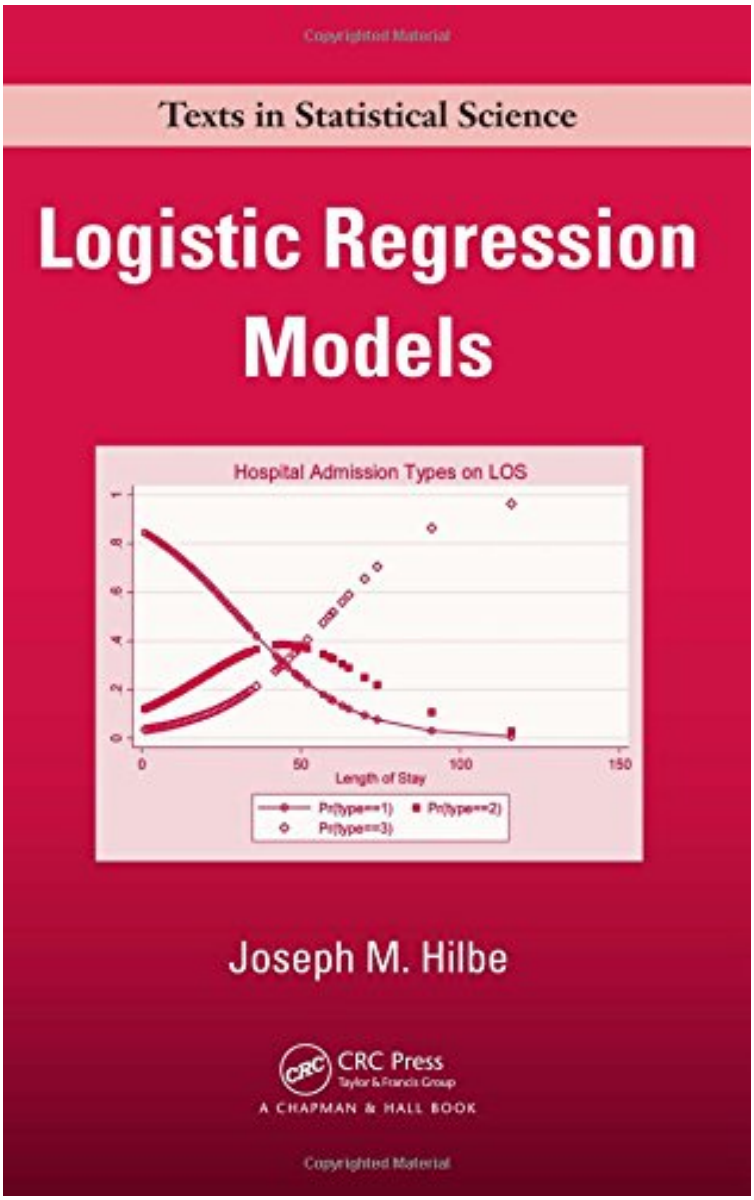

#1040196 in Books Chapman and Hall/CRC 2009-05-11Original language:EnglishPDF # 1 9.21 x 1.38 x 6.14l, 2.30 Binding: Textbook Binding656 pages | File size: 52.Mb

Joseph M. Hilbe : Logistic Regression Models (Chapman Hall/CRC Texts in Statistical Science) before purchasing it in order to gage whether or not it would be worth my time, and all praised Logistic Regression Models (Chapman Hall/CRC Texts in Statistical Science):

0 of 0 people found the following review helpful. This book is a great companion to Professor Hilbre's new bookBy Dr. SalGThis book is a great companion to Professor Hilbre's new book, Practical Guide to Logistic Regression. While Practical Guide to Logistic Regression, offers great practical examples, Logistic Regression Models discusses logistic regression more thoroughly, Readers wishing to have a more in depth understanding of logistical regression should purchase this book and refer to it concurrently with Practical Guide to Logistic Regression.0 of 0 people found the following review helpful. Great BookBy JoeTIf you are a Stata user and want a definitive guide to logistic regression models, then this is the book.Warning: if you are NOT using the version of Stata that this book is based on, you will need to convert what Hilbe has to the current Stata methodology. It's not a big thing though and the results are pretty much identical.3 of 4 people found the following review helpful. Logistic Regression WalkingBy John M. FordJoseph Hilbe not only is familiar with logistic regression, but has written much of the code used to do this in Stata and other analysis tools. In this book he presents the fundamental concepts of logistic regression, walks readers through examples of the most common types of analysis, and then explores variations and frontiers of rapid innovation and change. Hilbe's book has a new edition every few years, reflecting his grasp and discussion of the moving edge of the field.The author's walkthrough style is one of the book's strengths. He uses examples based on the same data sets, allowing readers to benefit from a growing familiarity with the data's structure and idiosyncrasies. The presentation is technical and does require close attention. But the focus is practical, discussing frequently-encountered challenges and solutions. Hilbe acknowledges that there is no "right" answer to advanced regression problems, but steers readers away from wrong approaches and highlights the trade-offs of different strategies.I encountered this text in an online course taught by the author. A natural procrastinator, I did assignments mostly during the last day before the deadline, so did not benefit fully from the discussion-board's give-and-take with Hilbe about our problem sets. This meant that I relied more on the text and the author's recommendations to other students that they look for answers in particular sections. While I would not have wanted to take the course using the book alone, I was impressed with how much it has to offer. It is a good text and an excellent reference.A friendly warning--the text focuses on analysis using Stata and supports R with appendices and end-of-chapter R code. I attempted to use NCSS 8.0 for the class and did not have a good experience. In hindsight I wish I had become familiar with R--it's free!--before working with the book. The author does recommend this, but I did otherwise. It's my own fault for making it hard on myself.Note to Kindle users: The Kindle version of this text is in .pdf format, so does not support all of the navigation features of a native-format Kindle book. Although it displayed well on my iPad, Kindle Fire, and Kindle for PC, it would not load on my iPhone. A message explains that this platform is not supported. Plan accordingly.

Logistic Regression Models presents an overview of the full range of logistic models, including binary, proportional, ordered, partially ordered, and unordered categorical response regression procedures. Other topics discussed include panel, survey, skewed, penalized, and exact logistic models. The text illustrates how to apply the various models to health, environmental, physical, and social science data. Examples illustrate successful modelingThe text first provides basic terminology and concepts, before explaining the foremost methods of estimation (maximum likelihood and IRLS) appropriate for logistic models. It then presents an in-depth discussion of related terminology and examines logistic regression model development and interpretation of the results. After focusing on the construction and interpretation of various interactions, the author evaluates assumptions and goodness-of-fit tests that can be used for model assessment. He also covers binomial logistic regression, varieties of overdispersion, and a number of extensions to the basic binary and binomial logistic model. Both real and simulated data are used to explain and test the concepts involved. The appendices give an overview of marginal effects and discrete change as well as a 30-page tutorial on using Stata commands related to the examples used in the text. Stata is used for most examples while R is provided at the end of the chapters to replicate examples in the text. Apply the models to your own dataData files for examples and questions used in the text as well as code for user-authored commands are provided on the books website, formatted in Stata, R, Excel, SAS, SPSS, and Limdep. See Professor Hilbe discuss the book.

This book really does cover everything you ever wanted to know about logistic regression with updates available on the authors website. Hilbe, a former national athletics champion, philosopher, and expert in astronomy, is a master at explaining statistical concepts and methods. Readers familiar with his other expository work will know what to expectgreat clarity.The book provides considerable detail about all facets of logistic regression. No step of an argument is omitted so that the book will meet the needs of the reader who likes to see everything spelt out, while a person familiar with some of the topics has the option to skip "obvious" sections. The material has been thoroughly road-tested through classroom and web-based teaching. The focus is on helping the reader to learn and understand logistic regression. The audience is not just students meeting the topic for the first time, but also experienced users. I believe the book really does meet the authors goal .Annette J. Dobson, Biometrics, June 2012 Overall this is a comprehensive book, which will provide a very useful resource and handbook for anyone whose work involves modelling binary data.David J. Hand, International Statistical (2011), 79 useful as a textbook in a course on logistic regression.Andreas Rosenblad, Technometrics, May 2011About the AuthorJet Propulsion Laboratory, California

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