



# Applied Logistic Regression

By David W. Hosmer Jr., Stanley Lemeshow, Rodney X. Sturdivant

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**A new edition of the definitive guide to logistic regression modeling for health science and other applications**

This thoroughly expanded *Third Edition* provides an easily accessible introduction to the logistic regression (LR) model and highlights the power of this model by examining the relationship between a dichotomous outcome and a set of covariables.

*Applied Logistic Regression*, Third Edition emphasizes applications in the health sciences and handpicks topics that best suit the use of modern statistical software. The book provides readers with state-of-the-art techniques for building, interpreting, and assessing the performance of LR models. New and updated features include:

- A chapter on the analysis of correlated outcome data
- A wealth of additional material for topics ranging from Bayesian methods to assessing model fit
- Rich data sets from real-world studies that demonstrate each method under discussion
- Detailed examples and interpretation of the presented results as well as exercises throughout

*Applied Logistic Regression*, Third Edition is a must-have guide for professionals and researchers who need to model nominal or ordinal scaled outcome variables in public health, medicine, and the social sciences as well as a wide range of other fields and disciplines.

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## **Applied Logistic Regression By David W. Hosmer Jr., Stanley Lemeshow, Rodney X. Sturdivant Bibliography**

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## **Editorial Review**

### Review

“In conclusion, the index was mercifully complete, and all items searched for were found (nice cross-referencing too) In summary: Highly recommended.” (*Scientific Computing*, 1 May 2013)

### From the Back Cover

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### About the Author

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**RODNEY X. STURDIVANT, PhD**, is Associate Professor and Founding Director of the Center for Data Analysis and Statistics at the United States Military Academy at West Point, New York.

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