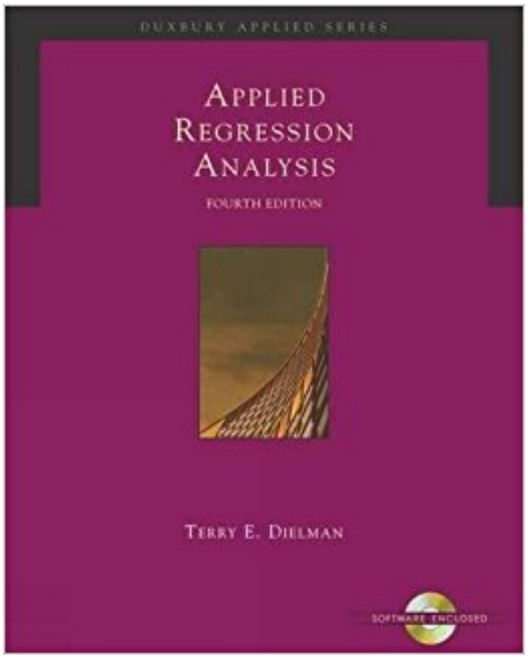
Applied Regression Analysis: A Second Course In Business And Economic Statistics (Book, CD-ROM & InfoTrac)



Synopsis

APPLIED REGRESSION ANALYSIS focuses on the application of regression to real data and examples while employing commercial statistical and spreadsheet software. Designed for both business/economics undergraduates and MBAs, this text provides all of the core regression topics as well as optional topics including ANOVA, Time Series Forecasting, and Discriminant Analysis. While only a prior introductory statistics course is required, a review of all necessary basic statistics is provided in chapter 2. The text emphasizes the importance of understanding the assumptions of the regression model, knowing how to validate a selected model for these assumptions, knowing when and how regression might be useful in a business setting, and understanding and interpreting output from statistical packages and spreadsheets.

Book Information

Hardcover: 496 pages

Publisher: Brooks/Cole; 4th edition (August 4, 2004)

Language: English

ISBN-10: 053446548X

ISBN-13: 978-0534465483

Product Dimensions: 7.6 x 1 x 9.5 inches

Shipping Weight: 2.1 pounds (View shipping rates and policies)

Average Customer Review: 3.9 out of 5 stars 23 customer reviews

Best Sellers Rank: #18,265 in Books (See Top 100 in Books) #11 inÃ Â Books > Business & Money > Economics > Econometrics #60 inÃ Â Books > Business & Money > Education & Reference > Statistics #105 inÃ Â Books > Science & Math > Mathematics > Applied > Statistics

Customer Reviews

1. An Introduction to Regression Analysis. 2. Review of Basic Statistical Concepts. Introduction / Descriptive Statistics / Discrete Random Variables and Probability Distributions / The Normal Distribution / Populations, Samples, and Sampling Distributions / Estimating a Population Mean / Hypothesis Tests About a Population Mean / Estimating the Difference Between Two Population Means / Hypothesis Tests About the Difference Between Two Population Means. 3. Simple Regression Analysis. Using Simple Regression to Describe a Linear Relationship / Examples of Regression as a Descriptive Technique / Inferences from a Simple Regression Analysis / Assessing the Fit of the Regression Line / Prediction or Forecasting with a Simple Linear Regression Equation. Fitting a Linear Trend to Time-Series Data / Some Cautions in Interpreting Regression Results. 4.

Multiple Regression Analysis. Using Multiple Regression to Describe a Linear Relationship / Inferences from a Multiple Regression Analysis / Assessing the Fit of the Regression Line / Comparing Two Regression Models / Prediction with a Multiple Regression Equation / Multicollinearity: A Potential Problem in Multiple Regression / Lagged Variables as Explanatory Variables in Time-Series Regression. 5. Fitting Curves to Data. Introduction / Fitting Curvilinear Relationships. 6. Assessing the Assumptions of the Regression Model. Introduction. Assumptions of the Multiple Linear Regression Model / The Regression Residuals / Assessing the Assumption That the Relationship is Linear / Assessing the Assumption That the Variance Around the Regression Line is Constant / Assessing the Assumption That the Disturbances are Normally Distributed / Influential observations / Assessing the Influence That the Disturbances are Independent. 7. Using Indicator and Interaction Variables. Using and Interpreting Indicator Variables / Interaction Variables / Seasonal Effects in Time-Series Regression. 8. Variable Selection. Introduction. All Possible Regressions. Other Variable Selection Techniques / Which Variable Selection Procedure is Best? 9. An Introduction to Analysis of Variance. One-Way Analysis of Variance. Analysis of Variance Using a Randomized Block Design / Two-Way Analysis of Variance / Analysis of Covariance. 10. Qualitative Dependent Variables: An Introduction to Discriminant Analysis and Logistic Regression. Introduction. Discriminant Analysis / Logistic Regression. 11. Forecasting Methods for Time-Series Data. Introduction / Naive Forecasts / Measuring Forecast Accuracy / Moving Averages / Exponential Smoothing / Decomposition. APPENDICES. A: Summation Notation. B: Statistical Tables. C: A Brief Introduction to MINITAB, Microsoft Excel, and SAS. D: Matrices and their Application to Regression Analysis. E: Solutions to Selected Odd-Numbered Exercises. References / Index.

Terry Dielman is professor of Decision Sciences at Texas Christian University. Terry received his Ph.D. at the University of Michigan (Business Statistics), his M.S. at the University of Cincinnati (Mathematics) and his B.A. at Emporia State University (Mathematics). His recent research focuses on Regression Analysis, Time Series Forecasting, Robust Statistical Procedures and the Analysis of Pooled Cross-Sectional and Time Series Data. His recent publications include Ã Â¿Bootstrap versus Traditional Hypothesis Testing Procedures for Coefficients in Least Absolute Value RegressionÃ Â¿ in the JOURNAL OF STATISTICAL COMPUTATION AND SIMULATION. He participates in the Editorial Board of the Journal of Business and Management, and consults for Forecasting Seminars and for various law firms.

Being an MBA student without an extensive math background, the beginner’s approach of this text is appreciated. The data set CD and "how to use the computer" sections in each chapter are helpful and the small dimensions of the book make it very easy to carry in my backpack since I’m always studying on the move.

The book is not structured very well...and the topics are difficult. Used this book for a graduate level statistics course. Only got through the first 4 chapters in the entire course. Very high level material.

It’s a book. I needed this book. The CD thing is garbage. Either provide it or don’t; who the hell likes a maybe.

Perfect with no problems

good

The book does not offer enough practice questions. Sure it explains the concepts in an alright manner, but without a sufficient number of practice questions my grasp on the material remains tenuous.

Great read and interesting concepts.

Awesome Book, love it

Applied Regression Analysis: A Second Course in Business and Economic Statistics (Book, CD-ROM & InfoTrac) Forecasting, Time Series, and Regression (with CD-ROM) (Forecasting, Time Series, & Regression) A Second Course in Statistics: Regression Analysis (7th Edition) Plots, Transformations, and Regression: An Introduction to Graphical Methods of Diagnostic Regression Analysis (Oxford Statistical Science Series) Statistics for People Who (Think They) Hate Statistics (Salkind, Statistics for People Who(Think They Hate Statistics(Without CD)) Regression to Times and Places (Meditation Regression) Spiritual Progress Through Regression (Meditation Regression) Regression Through The Mirrors of Time (Meditation Regression) 3 TG/Age Regression Summer Stories (TG Age Regression Stories) Analytics: Data Science, Data Analysis and Predictive Analytics for Business (Algorithms, Business Intelligence, Statistical Analysis, Decision Analysis,

Business Analytics, Data Mining, Big Data) Environmental and Ecological Statistics with R, Second Edition (Chapman & Hall/CRC Applied Environmental Statistics) Running the Numbers: A Practical Guide to Regional Economic and Social Analysis: 2014: A Practical Guide to Regional Economic and Social Analysis Applied Regression Analysis and Generalized Linear Models Applied Multiple Regression/Correlation Analysis for the Behavioral Sciences, 3rd Edition Applied Logistic Regression Analysis (Quantitative Applications in the Social Sciences) Applied Survival Analysis: Regression Modeling of Time to Event Data Modern Applied Statistics with S (Statistics and Computing) Applied Bayesian Statistics: With R and OpenBUGS Examples (Springer Texts in Statistics) Analytics: Business Intelligence, Algorithms and Statistical Analysis (Predictive Analytics, Data Visualization, Data Analytics, Business Analytics, Decision Analysis, Big Data, Statistical Analysis) Microeconomic Theory: Basic Principles and Extensions (with Economic Applications, InfoTrac Printed Access Card)