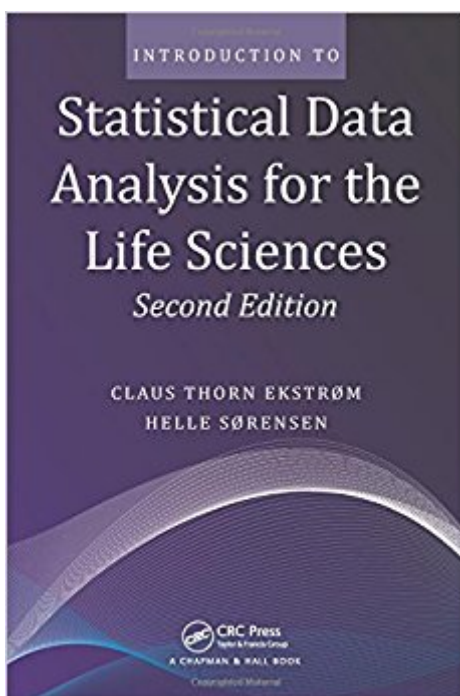


The book was found

# Introduction To Statistical Data Analysis For The Life Sciences, Second Edition



## Synopsis

A Hands-On Approach to Teaching Introductory Statistics Expanded with over 100 more pages, Introduction to Statistical Data Analysis for the Life Sciences, Second Edition presents the right balance of data examples, statistical theory, and computing to teach introductory statistics to students in the life sciences. This popular textbook covers the mathematics underlying classical statistical analysis, the modeling aspects of statistical analysis and the biological interpretation of results, and the application of statistical software in analyzing real-world problems and datasets.

**New to the Second Edition** A new chapter on non-linear regression models A new chapter that contains examples of complete data analyses, illustrating how a full-fledged statistical analysis is undertaken Additional exercises in most chapters A summary of statistical formulas related to the specific designs used to teach the statistical concepts This text provides a computational toolbox that enables students to analyze real datasets and gain the confidence and skills to undertake more sophisticated analyses. Although accessible with any statistical software, the text encourages a reliance on R. For those new to R, an introduction to the software is available in an appendix. The book also includes end-of-chapter exercises as well as an entire chapter of case exercises that help students apply their knowledge to larger datasets and learn more about approaches specific to the life sciences.

## Book Information

Paperback: 526 pages

Publisher: Chapman and Hall/CRC; 2 edition (November 8, 2014)

Language: English

ISBN-10: 1482238934

ISBN-13: 978-1482238938

Product Dimensions: 1 x 6 x 9.2 inches

Shipping Weight: 1.6 pounds (View shipping rates and policies)

Average Customer Review: 3.5 out of 5 stars 2 customer reviews

Best Sellers Rank: #341,783 in Books (See Top 100 in Books) #102 in Books > Textbooks > Medicine & Health Sciences > Research > Biostatistics #175 in Books > Medical Books > Basic Sciences > Biostatistics #850 in Books > Textbooks > Medicine & Health Sciences > Reference

## Customer Reviews

Used this book for a graduate course in statistics in which we used the R software. I love how clear and concise each chapter is and at the end includes a few examples that were previously shown "by

hand" earlier in the chapter, but now show how to perform it in R. I found the end of chapter problems to be progressive in difficulty with the first few problems similar to examples in the book, and the later problems testing understanding of material and application. One thing I found that was unique is the book introduces several examples that we first encounter in the first chapter then as the chapters go on, we revisit the same examples, adding onto them with the knowledge gained. I found this to be very beneficial to see the same data being built upon and shown the evolution of answering the example basic then building up to analyzing the data with advanced statistical methods. Some of my classmates found the book to be difficult, I think some understanding of basic statistics is necessary since the book assumes and doesn't go into great depth on some basic concepts. But having taken a statistics course previously, I had no issue following along and plan to keep this book as reference instead of trying to sell it, that is how much I love this book!

This book is definitely not an intro to statistics or programming with R. The mathematics is fairly formal and I do not recognize many of the variables or formulas despite knowing what the majority of the equations are describing; it is confusing but perhaps it is simply a product of my education in the United States. Additionally, the book mirrors a Goosebumps book written by R.L. Stine given the manner in which it constantly refers the reader to examples many pages forward or back from the current chapter; many examples are not all on one page and examples suffer from lack of tabulation of terms (to clarify for a reader). Would not recommend for beginners in statistics. It may be interesting to someone more advanced in the field, but I also wonder why anyone qualified beyond the introductory level of statistics would need this book unless specifically seeking the exercises in R provided at the end of each chapter.

[Download to continue reading...](#)

Analytics: Business Intelligence, Algorithms and Statistical Analysis (Predictive Analytics, Data Visualization, Data Analytics, Business Analytics, Decision Analysis, Big Data, Statistical Analysis)  
Analytics: Data Science, Data Analysis and Predictive Analytics for Business (Algorithms, Business Intelligence, Statistical Analysis, Decision Analysis, Business Analytics, Data Mining, Big Data) Data Analytics: What Every Business Must Know About Big Data And Data Science (Data Analytics for Business, Predictive Analysis, Big Data Book 1) Data Analytics: Applicable Data Analysis to Advance Any Business Using the Power of Data Driven Analytics (Big Data Analytics, Data Science, Business Intelligence Book 6) Introduction to Statistical Data Analysis for the Life Sciences, Second Edition Big Data For Business: Your Comprehensive Guide to Understand Data Science, Data Analytics and Data Mining to Boost More Growth and Improve Business - Data

Analytics Book, Series 2 Introduction to Statistical Data Analysis for the Life Sciences Data  
Analytics For Beginners: Your Ultimate Guide To Learn and Master Data Analysis. Get Your  
Business Intelligence Right â “ Accelerate Growth and Close More Sales (Data Analytics Book  
Series) Statistical Modeling for Biomedical Researchers: A Simple Introduction to the Analysis of  
Complex Data Discovering Knowledge in Data: An Introduction to Data Mining (Wiley Series on  
Methods and Applications in Data Mining) Statistical Methods for Data Analysis in Particle Physics  
(Lecture Notes in Physics) Data Analysis and Graphics Using R: An Example-Based Approach  
(Cambridge Series in Statistical and Probabilistic Mathematics) Statistical Analysis of Network Data  
with R (Use R!) Analysis of Longitudinal Data (Oxford Statistical Science Series) The Statistical  
Analysis of Compositional Data The Elements of Statistical Learning: Data Mining, Inference, and  
Prediction, Second Edition (Springer Series in Statistics) Data Science for Business: What You  
Need to Know about Data Mining and Data-Analytic Thinking Data Science and Big Data Analytics:  
Discovering, Analyzing, Visualizing and Presenting Data Data Analytics and Python Programming: 2  
Bundle Manuscript: Beginners Guide to Learn Data Analytics, Predictive Analytics and Data  
Science with Python Programming Data Analysis for the Life Sciences with R

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)