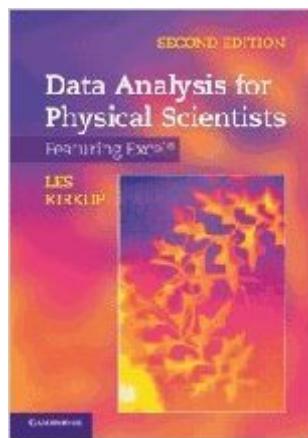


The book was found

Data Analysis For Physical Scientists: Featuring Excel®



Synopsis

The ability to summarise data, compare models and apply computer-based analysis tools are vital skills necessary for studying and working in the physical sciences. This textbook supports undergraduate students as they develop and enhance these skills. Introducing data analysis techniques, this textbook pays particular attention to the internationally recognised guidelines for calculating and expressing measurement uncertainty. This new edition has been revised to incorporate Excel® 2010. It also provides a practical approach to fitting models to data using non-linear least squares, a powerful technique which can be applied to many types of model. Worked examples using actual experimental data help students understand how the calculations apply to real situations. Over 200 in-text exercises and end-of-chapter problems give students the opportunity to use the techniques themselves and gain confidence in applying them. Answers to the exercises and problems are given at the end of the book.

Book Information

Hardcover: 528 pages

Publisher: Cambridge University Press; 2 edition (March 26, 2012)

Language: English

ISBN-10: 0521883725

ISBN-13: 978-0521883726

Product Dimensions: 6.8 x 1.1 x 9.7 inches

Shipping Weight: 2.6 pounds (View shipping rates and policies)

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

Best Sellers Rank: #815,804 in Books (See Top 100 in Books) #60 in Books > Science & Math > Experiments, Instruments & Measurement > Microscopes & Microscopy #555 in Books > Science & Math > Physics > Mathematical Physics #2466 in Books > Textbooks > Science & Mathematics > Physics

Customer Reviews

"[The book is] illustrated with many worked examples and exercises (with answers at the back) which will make the book a useful...teaching resource. The material is well presented, with a useful set of appendices giving more theoretical detail, and summarizing useful formula." P.T. Greenland in Contemporary Physics

Introducing data analysis techniques, this new edition has been revised to incorporate Excel®

2010 to help undergraduate students develop the tools necessary for studying and working in the physical sciences. It features worked examples using actual experimental data, and over 200 in-text exercises and end-of-chapter problems.

This book is an introduction to data analysis with an interesting collection of problems at the end of each chapter. All the contents of the book are illustrated using excel. The book is very well structured, from a nice introduction to the statistical distributions to the hypothesis testing. In my opinion the opinion the too much introductory and many of the contents of the book are better explained in other sources even with the use of excel (for example Advanced Excel for scientific data analysis by Robert de Levie Advanced Excel for scientific data analysis, 3rd edition). The book seems a collection of recipes for the statistical analysis of data. For example the known formula for the propagation of the imprecision is in an appendix at the end of the book. This question is one of the cores of any book regarding these subjects and should be inside the book. The inclusion of statistical tables at the end of the book has no sense because all of them can be obtain using excel (as the book explain)

This would be a great book if the reader had access to the data files. Most of the data sets are small but I don't feel as though I should have to reconstruct them.

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

Data Analysis for Physical Scientists: Featuring Excel® 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) Analytics: Business Intelligence, Algorithms and Statistical Analysis (Predictive Analytics, Data Visualization, Data Analytics, Business Analytics, Decision Analysis, Big Data, Statistical Analysis) 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 Data Analytics For Beginners: Your Ultimate Guide To Learn and Master Data Analysis. Get Your Business Intelligence Right à “ Accelerate Growth and Close More Sales (Data Analytics Book Series) 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 Discovering Knowledge in Data: An Introduction to Data Mining (Wiley Series on Methods and Applications in Data Mining) Applied Data Analysis and Modeling for Energy Engineers and Scientists Analytics: Data Science, Data Analysis and Predictive Analytics for Business Statistics, Data Mining, and Machine Learning in Astronomy: A Practical Python Guide for the Analysis of Survey Data (Princeton Series in Modern Observational Astronomy) Data Analysis and Signal Processing in Chromatography, Volume 21 (Data Handling in Science and Technology) Python for Data Analysis: Data Wrangling with Pandas, NumPy, and IPython Data Analytics for Beginners: Your Ultimate Guide to Learn and Master Data Analysis Data Reduction and Error Analysis for the Physical Sciences Park Scientists: Gila Monsters, Geysers, and Grizzly Bears in America's Own Backyard (Scientists in the Field Series) The Bat Scientists (Scientists in the Field Series)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)