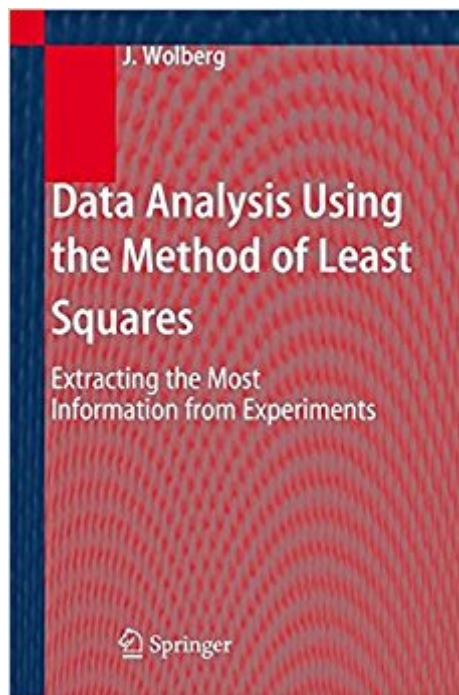




Ebook Directory
the best source of ebook

The book was found

Data Analysis Using The Method Of Least Squares: Extracting The Most Information From Experiments



Synopsis

Develops the full power of the least-squares method Enables engineers and scientists to apply the method to their specific problem Deals with linear as well as with non-linear least-squares, parametric as well as non-parametric methods

Book Information

Paperback: 250 pages

Publisher: Springer; 2006 edition (February 10, 2006)

Language: English

ISBN-10: 3540256741

ISBN-13: 978-3540256748

Product Dimensions: 6.1 x 0.6 x 9.2 inches

Shipping Weight: 14.1 ounces (View shipping rates and policies)

Average Customer Review: 5.0 out of 5 stars 1 customer review

Best Sellers Rank: #935,625 in Books (See Top 100 in Books) #129 in [Books > Engineering & Transportation > Engineering > Reference > Measurements](#) #302 in [Books > Textbooks > Computer Science > Artificial Intelligence](#) #707 in [Books > Computers & Technology > Computer Science > AI & Machine Learning > Intelligence & Semantics](#)

Customer Reviews

Aus den Rezensionen: "Die Methode der kleinsten Quadrate ist eines der am häufigsten angewendeten statistischen Verfahren zur Aus- und Bewertung der Daten. John Wolberg bedauert, dass dieser Methode noch längst nicht die ihr zustehende Aufmerksamkeit gewidmet wird Die publizistische Lücke zwischen den Wünschen der Autor mit diesem Buch schließen. Das Buch vermittelt das Wissen für eine höchst effiziente Methode zur Datenanalyse. Der Autor erläutert die Thematik in dem Buch abstrakt konzentriert und untermauert sie durch einfache, überwiegend hypothetische Beispiele, die zum Verständnis der Methode beitragen ..." (Dr. Norbert Häfner, in: Gefahrstoffe - Reinhaltung der Luft, 2007, Vol. 67, Issue 4, S. 136)

The preferred method of data analysis of quantitative experiments is the method of least squares. Often, however, the full power of the method is overlooked and very few books deal with this subject at the level that it deserves. The purpose of Data Analysis Using the Methods of Least

Squares' is to fill this gap and include the type of information required to help scientists and engineers apply the method to problems in their special fields of interest. In addition, graduate students in science and engineering doing work of experimental nature can benefit from this book. Particularly, both linear and non-linear least squares, the use of experimental error estimates for data weighting, procedures to include prior estimates, methodology for selecting and testing models, prediction analysis, and some non-parametric methods are discussed.

In my work I must review large data bases. We typically fit various models to the data. I've used the method of least squares to perform the analyses and found a reference to Wolberg's book. After reading several chapters I realized that there were several important aspect of this method that I wasn't aware of. I found the discussion of available software particularly helpful as well as the analysis of errors. Least Squares is a very powerful technique and this book provides a very complete discussion of the method.

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

Data Analysis Using the Method of Least Squares: Extracting the Most Information from Experiments 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: 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) 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 - Accelerate Growth and Close More Sales (Data Analytics Book Series) Data Smart: Using Data Science to Transform Information into Insight Exploratory Data Analysis Using Fisher Information Simple Machine Experiments Using Seesaws, Wheels, Pulleys, and More: One Hour or Less Science Experiments (Last-Minute Science Projects) 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) Pacific Crest Trail Data Book: Mileages,
Landmarks, Facilities, Resupply Data, and Essential Trail Information for the Entire Pacific Crest
Trail, from Mexico to Canada Too Small to Ignore: Why the Least of These Matters Most
Motorhome and RV Retirement Living: The Most Enjoyable and Least Expensive Way to Retire
Cleveland Neighborhood Guidebook: The Least Practical, Most Literary Guide to Cleveland
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)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)