Mathematics, Statistics, Physics & Astronomy

September to December 2023





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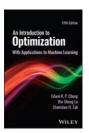
9781394201587 Pub Date: 11/7/23 \$35.00 USD 256 pages • Hardcover Business & Economics / Management

Strong Supply Chains Through Resilient Operations: Five Principles for Leaders to Win in a Volatile World

Suketu Gandhi, Michael F. Strohmer, Marc Lakner, Tiffany Hickerson, Sherri He

Future-proof your firm's supply chains with a renewed focus on resilience

In Strong Supply Chains Through Resilient Operations: Five Principles for Leaders to Win in a Volatile World, a team of dedicated, veteran operations strategists delivers a practical and hands-on discussion of how to future-proof your company's supply chains through a relentless focus on resilience. In the book, you'll discover how to shift your firm's emphasis from "low-cost" to "low volatility" as you



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Edwin K. P. Chong, Wu-Sheng Lu, Stanislaw H. Zak

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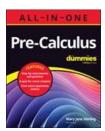
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Mary Jane Sterling

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Space Environments and their Impact on Exoplanets

Ofer Cohen, Katherine Garcia-Sage, Meng Jin, Sudeshna Boro Saikia

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Science / Earth Sciences /
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Clouds and their Climatic Impact: Radiation, Circulation, and Precipitation

Sylvia Sullivan, Corinna Hoose

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Clouds and their Climatic Impact: Radiation, Circulation, and Precipitation presents an overview of our current

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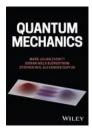
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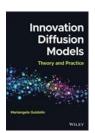
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Quantum Mechanics

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Quantum mechanics: from classical analytical mechanics to quantum mechanics, simulation, foundations & engineering

Quantum mechanics is a fundamental subject in physics, often considered to be one of the most conceptually challenging topics. In many undergraduate courses, it is assumed that students are unfamiliar with the Lagrangian and Hamiltonian formulations of classical mechanics or the role of probability in Liouville's theorem (analytical mechanics). As a result, quantum physics is typically introduced using heuristic arguments, which can lead to surprising and counterintuitive concepts,...



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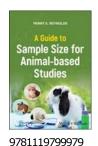
Mathematical & Statistical

Innovation Diffusion Models: Theory and Practice

Mariangela Guidolin

Innovation Diffusion Models Understand innovation diffusion models and their role in business success

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Penny S. Reynolds

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Animal-based research is an essential part of basic and predinical research, but poses a unique set of experimental design challenges. The most important of these are the 3Rs — Replacement, Reduction and Refinement — the principles comprising the ethical framework for humane animal-based studies. However, many researchers have difficulty navigating the design trade-offs necessary to simultaneously minimize animal

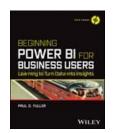
R Programming for Actuarial Science

Peter McQuire, Alfred Kume

Professional resource providing basic to intermediate levels of R coding in respect of actuarial applications, with real-life examples

R Programming for Actuarial Science provides a grounding in R programming applied to the mathematical and statistical methods that are of relevance for actuarial work, equipping the student with knowledge of statistical distributions and methods to summarize data. The authors have a combined experience of 20 years in actuarial consultancies and insurance companies, as well as over 20 years in university teaching and research.

In R Programming for Actuarial Science



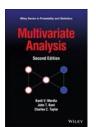
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Beginning Power BI for Business Users: Learning to Turn Data into Insights

Paul D. Fuller

Discover the utility of your organization's data with Microsoft Power BI

In Beginning Power BI for Business Users: Learning to Turn Data into Insights, accomplished data professional and business intelligence expert Paul Fuller delivers an intuitive and accessible handbook for professionals seeking to use Microsoft's Power BI to access, analyze, understand, report, and act on the data available to their organizations. In the book, you'll discover Power BI's robust feature set, learn to ingest and model data, visualize and report on that data, and even use the DAX scripting language to



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Multivariate Analysis (2nd Edition)

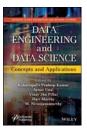
Kanti V. Mardia, John T. Kent, Charles C. Taylor

Comprehensive Reference Work on Multivariate Analysis and Its Applications

The first edition of this book, by Mardia, Kent and Bibby, has been widely used globally for over 40 years. This second edition brings many topics up to date, with a special emphasis on recent developments.

A wide range of material in multivariate analysis is covered, including the classical themes of multivariate normal theory, multivariate regression, inference, multidimensional scaling, factor

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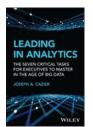
9781119841876
Pub Date: 10/3/23
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Mathematics / Probability
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Data Engineering and Data Science: Concepts and Applications

Kukatlapalli Pradeep Kumar, Aynur Unal, Vinay Jha Pillai, Hari Murthy, M. Niranjanamurthy

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Joseph A. Cazier

A step-by-step guide for business leaders who need to manage successful big data projects

Leading in Analytics: The Critical Tasks for Executives to Master in the Age of Big Data takes you through the entire process of guiding an analytics initiative from inception to execution. You'll learn which aspects of the project to pay attention to, the right questions to ask, and how to keep the project team focused on its mission to produce relevant and valuable project. As an executive, you can't control every aspect of the process. But if you focus on high-impact factors that you can control, you ca...



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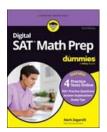
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