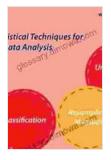# Optimization Techniques In Statistics Statistical Modeling And Decision Science

Unlock the Potential of Optimization in Statistical Modeling and Decision-Making

In today's data-driven world, statistical modeling and decision science play a crucial role in unlocking valuable insights from complex data. Optimization techniques have emerged as powerful tools that can significantly enhance the accuracy, efficiency, and reliability of these models and decisions.

Optimization Techniques in Statistics (Statistical Modeling and Decision Science) by Jagdish S. Rustagi

★★★★★ 5 out of 5

Language	: English
File size	: 25772 KB
X-Ray for textbooks	: Enabled
Print length	: 359 pages
Screen Reader	: Supported

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Introducing "Optimization Techniques In Statistics Statistical Modeling And Decision Science" - an authoritative guide that empowers you with the advanced knowledge and skills to master optimization techniques in these fields.

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- Linear and nonlinear programming

- Convex optimization

- Heuristic and metaheuristic algorithms

- Bayesian optimization

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Practical Applications

Beyond theoretical concepts, this book emphasizes the practical applications of optimization techniques in statistical modeling and decision science. You'll learn how to:

- Formulate optimization problems for statistical models

- Solve optimization problems using various algorithms

- Interpret and evaluate the results of optimization

- Apply optimization techniques to real-world problems in data science, machine learning, and decision science

Valuable Tools

This book equips you with valuable tools to enhance your statistical modeling and decision-making capabilities. You'll gain hands-on experience through:

- Numerous examples and case studies

- Exercises and assignments at the end of each chapter

- Access to companion software and data sets

Expert Authorship

Written by an experienced team of statisticians and decision scientists, this book combines academic rigor with practical insights. The authors provide clear explanations, insightful discussions, and practical guidance to ensure your success in mastering these techniques.

Who Should Read This Book?

"Optimization Techniques In Statistics Statistical Modeling And Decision Science" is an essential resource for:

- Statisticians and data scientists

- Researchers in statistical modeling and decision science

- Graduate students in statistics, data science, and decision science

- Professionals in fields that utilize statistical modeling and decision-making

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