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STATISTICS: PRINCIPLES AND METHODS, 8TH EDITION

Richard A. Johnson, Gouri K. Bhattacharyya (2019)

Wiley

ISBN: 978-1-119-49705-9

xxi +576pp

This new edition of Statistics: Principles and Methods is a good text book for statistical courses in business. Readers will obtain what is needed for dealing with concepts, terminology, and methods. The theory is balanced with the use of real-world data for illustrating how concepts are of use in comprehending statistical outputs. Mathematics is maintained at a low level and logical reasoning is mainly used for introducing methods and software.

Eugene Sarkar
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LINEAR AND CONVEX OPTIMIZATION: A MATHEMATICAL APPROACH

Michael H. Veatch (2020)

Wiley

ISBN: 978-1-119-66405-5

xix+384

The book presents the theoretical supports of Linear and Convex Optimization unifiedly within optimization theory, providing key insights on problem structuring, modeling, and algorithm development. Existing algorithms for solving linear, integer, and convex optimization are presented in an agreeable mathematical discussions, together with insights into algorithms. The principles of algorithm designing and the role of and the computation speed of algorithms are discussed. Discussions on applications, illustrating the practical impacts of solving optimization problems, are addressed throughout.

J. M. Sautto
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MULTI-PARAMETRIC OPTIMIZATION AND CONTROL

Efstathios N. Pistikopoulos, Nikolaos A. Dangelakis, Richard Oberdieck (2020)

Wiley

ISBN: 978-1-119-26519-1

xvii+ 320

The authors present multi-parametric optimization and control issues including a series of recent developments and real-world applications. An overview on the theory and algorithmic solutions for multi-parametric programming is followed by discussions on connections between multi-parametric programming and model-predictive control. Then, the authors deal with multi-parametric optimization in process systems engineering. Different case studies illustrate, through real-world applications solving, the role of the concepts.

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