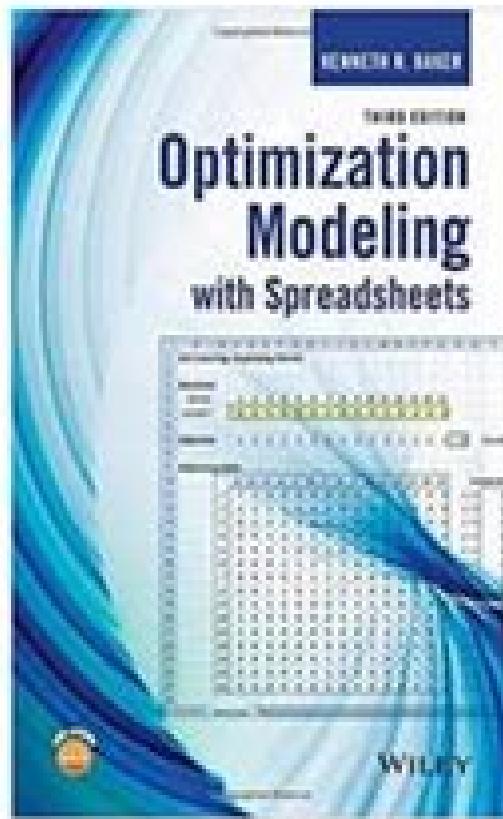


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**Marcel A. Müller**

## **Optimization Modeling With Spreadsheets:**

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Galbreth,2008 We discuss the importance of spreadsheets for optimization modeling including a description of their limitations for large scale problems We then describe efficient ways to overcome these limits Our approach makes use of Excel's standard functionality but augments Excel with its programming language Visual Basic for Applications VBA where necessary We show how using VBA within Excel to generate and solve large linear programs LPs overcomes many of the problems inherent in purely spreadsheet based models and greatly increases model usability The techniques described were instrumental in our successful development of a large scale procurement distribution LP that resulted in savings of approximately 1 000 000 in the first year with even greater annual savings expected in the future **Supply Chain Management on Demand** Chae An,Hansjörg Fromm,2006-01-16 During recent years competitive pressures and short product lifecycles have caused many manufacturing and retail companies to focus on supply chain management practices and applications Continuing shifts in the geopolitical situation and emerging markets have opened up new business opportunities and at the same time kept companies busy revising their supply chain structures manufacturing locations warehouse locations inbound logistics and distribution operations This has led to an increased demand in strategic supply chain planning tools such as supply chain simulators and location optimization tools New techniques and practices for highly efficient supply chain management made possible by the rapid progress in information and communication technologies are explained in this book It is written by supply chain researchers consultants and supply chain practitioners who have not only developed the practices but have deployed these practices in various supply chains at IBM and other companies **Planning Problems, Models and Geographic Information Systems** Malaysia,1990 **Interfaces**,2004 Seeks to improve communication between managers and professionals in OR MS

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*American Book Publishing Record*, 2005 *OR/MS Today*, 2006 **Spreadsheet Modeling as a Stepping Stone** Kevin Cunningham, Linus E. Schrage, Institute of Management Sciences, 1986 **GIS and Geocomputation for Water Resource Science and Engineering** Barnali Dixon, Venkatesh Uddameri, 2015-11-25 *GIS and Geocomputation for Water Resource Science and Engineering* not only provides a comprehensive introduction to the fundamentals of geographic information systems but also demonstrates how GIS and mathematical models can be integrated to develop spatial decision support systems to support water resources planning management and engineering The book uses a hands on active learning approach to introduce fundamental concepts and numerous case studies are provided to reinforce learning and demonstrate practical aspects The benefits and challenges of using GIS in environmental and water resources fields are clearly tackled in this book demonstrating how these technologies can be used to harness increasingly available digital data to develop spatially oriented sustainable solutions In addition to providing a strong grounding on fundamentals the book also demonstrates how GIS can be combined with traditional physics based and statistical models as well as information theoretic tools like neural networks and fuzzy set theory

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