



Analytics in Operations/Supply Chain Management, 1/e

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About the Book

Efficient and effective Operations/Supply Chain Management forms the key functional area in defining an organization's success in today's competitive global environment. This Symposium Proceedings focuses on the role of Analytics in Operations /Supply Chain Management, particularly in the context of multi criteria decision making. It highlights emerging concepts and potential applications in descriptive, predictive and prescriptive analytics fields. The 46 articles presented in the proceedings are from over 100 contributors from academics and industry. These 46 articles are classified into 6 groups based on the main theme of the respective studies. These groups are: (1) Analytics for Operations Strategy; (2) Analytics for Performance Analysis; (3) Analytics for Resource Planning/Allocation; (4) Analytics for Sequencing and Scheduling; (5) Analytics for Product/Process Management; and (6) Supply Chain Analytics.

Salient Features

This reference work comprises 60 selected papers on different aspects of business analytics in various sub-disciplines of operations management.

Major theories of management science/operations research (MS/OR) that have been applied in the articles are MCDM, inferential statistics, LPP, queueing theory, assignment problem, goal programming, inventory management, fuzzy logic, 6 sigma, AHP, TOPSIS, cloud computing, scheduling, optimization, Pareto analysis and so on.

Each of the articles is based on a specific organizational/industrial/situational setting, and can be used as case research problem in management education, especially in MBA (Operations) and Ph.D in operations management.

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Part II - Analytics for Performance Evaluation

Part III - Analytics for Resource Planning/Allocation

Part IV - Analytics for Sequencing and Scheduling

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Part VI - Supply Chain Analytics.

About the Author

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