1. Record Nr. UNINA9911034951603321

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Titolo	Introduction to Operations and Supply Chain Simulation with AnyLogic / / by Dmitry Ivanov, William P. Millhiser, Phu Nguyen
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2025
ISBN	3-031-73664-8
Edizione	[1st ed. 2025.]
Descrizione fisica	1 online resource (269 pages)
Collana	Classroom Companion: Business, , 2662-2874
Altri autori (Persone)	MillhiserWilliam P VuHanh
Disciplina	658.40352
Soggetti	Business logistics Production management Operations research Mathematical models Mathematical statistics - Data processing Supply Chain Management Operations Management Production Operations Research and Decision Theory Mathematical Modeling and Industrial Mathematics Statistics and Computing
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Computer Simulation: General Methodologies -- Business Process Simulation Modeling and Analysis -- Advanced Process Modeling and Optimization -- Supply Chain Coordination -- Inventory Control.
Sommario/riassunto	This textbook introduces readers to the principles of business process and supply chain simulation modeling using the AnyLogic multimethod simulation software. However, the book is not a software manual; instead, it reinforces the fundamental concepts of process analysis and supply chain management through simulation models while simultaneously teaching the process of simulation modeling. Complex statistical and mathematical derivations are kept to a minimum, while managerial decision-making is emphasized. Simulation games are

introduced as an engaging way to comprehend system structures. The book is divided into four parts, each with the same format: presenting a motivating case study, developing technical models, providing step-by-step instructions for building AnyLogic simulation models and KPI dashboard design, using the models for classroom games and decision-making, and discussing possible extensions for assignments or advanced studies. The book is intended for undergraduate and master's students in supply chain and operations management, as well as their instructors. Although some mathematical notation is necessary, the content has been carefully selected for readers without an engineering or mathematics background. Readers are encouraged to build models while reading, with the models becoming increasingly complex. Upon completing the book, readers will have learned how to create their own simulation models using popular software, gained a deeper understanding of operational and supply chain management concepts, and attained the proficiency needed to apply key performance metrics for managerial decision-making.