

## Supply Chain Simulation: A System Dynamics Approach for Improving Performance

Francisco Campuzano, Josefa Mula Bru



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*Supply Chain Simulation* allows readers to practice modeling and simulating a multi-level supply chain. The chapters are a combination of the practical and the theoretical, covering:

- knowledge of simulation methods and techniques,
- the conceptual framework of a typical supply chain,
- the main concepts of system dynamics, and
- a set of practice problems with their corresponding solutions.

The problem set includes illustrations and graphs relating to the simulation results of the Vensim® program, the main code of which is also provided. The examples used are a valuable simulation tool that can be modified and extended according to user requirements.

The objective of *Supply Chain Simulation* is to meet the demands of supply chain simulation or similar courses taught at the postgraduate level. The "what if" analysis recreates different simulation scenarios to improve the decision-making process in terms of supply chain performance, making the book useful not only for postgraduate students, but also for industrial practitioners.

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