

System Dynamics: Modeling, Simulation and Analysis: Practical guide with examples for the design of industrial, economic, biological, engineering and environmental models. By Juan Martn Garca Functions.

This book allows the reader to acquire step by step in a time efficient and uncomplicated the knowledge in the formation and construction of dynamic models using Vensim. Many times the models are performed with minimal current data and very few historical data the simulation models that the student will design in this course accommodate these analyses with the construction of realistic hypotheses and elaborate behavior models: That's done with the help of software Vensim that helps the construction of the models as well as performing model simulations. At the end of the book the reader is able to: Describe the components of a complex system. Diagnose the natural evolution of the system under analysis. Create a model of the system and present it using the simulation software, Carry out simulations with the model Tables and Delays III, Download the models of this bookThe authorJuan Martn Garca is teacher and a worldwide recognized expert in System Dynamics with than twenty years of experience in this field. Industrial Engineer (Spain) and Postgraduated Diploma in Business Dynamics at Massachusetts Institute of Technology MIT (USA): He teaches Vensim online courses in based on System Dynamics. System Dynamics: Modeling Simulation and Analysis: Practical guide with examples for the design of industrial economic biological engineering and environmental models[1]

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