

The Big Book of Simulation Modeling: Multimethod Modeling with Anylogic 6


By Andrei Borshchev

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"The Big Book of Simulation Modeling" is the only book that comprehensively presents all three methods, or paradigms, in simulation modeling: Agent Based, System Dynamics, and Discrete Event. It explains how to choose the right constructs of the modeling language to create a representation of a real world system that is suitable for risk-free dynamic experiments. The book is based on the modeling languages supported by AnyLogic, the software tool that enables a modeler to utilize all three methods and is the only one with the capability to combine them together in a single model. Written by the creator of the software, this book is the most in-depth information resource on AnyLogic and utilization of multimethod modeling that currently exists. It covers topics from building simple Agent Based models with statecharts to developing data exchange with external programs. With over 100 hands-on, step-by-step examples with different levels of complexity and various application areas, this book is extremely useful to both simulation professionals and students learning simulation modeling.

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