

**LOOKING BEYOND THE MODEL WITH SAS SIMULATION STUDIO:
DATA INPUT, COLLECTION, AND ANALYSIS**

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ABSTRACT

Discrete-event simulation is regularly intertwined with many other forms of analytics. Source data often must be repaired or processed before being used to characterize variation in a simulation model. Collection of simulated data needs to coordinate with and support the evaluation of performance metrics. Or you might need to integrate other analytics into a simulation model to capture specific complexities in a modeled system. SAS Simulation Studio provides an interactive, graphical environment for building, running, and analyzing discrete-event simulation models, and is an integral part of the SAS analytic platform. We illustrate how SAS Simulation Studio helps you tackle each of these challenges. You have full control over the use of input data and the creation of simulated data. Strong experimental design capabilities mean you can simulate for all needed scenarios. Additionally, you can embed any SAS analytic program—optimization, data mining, or otherwise—directly into the execution of your simulation model.