Webinar Series: Complete Guide to SIMUL8 Success

SIMUL8 CORPORATION

Webinar 1:

Getting Started With Simulation

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Agenda

Session 1:Getting Started with Simulation

- Benefits of Simulation
- SIMUL8 Basics
- Distributions
- Routing

Session 2:

Adding Complexity to your Simulation

Session 3:

Controlling your Simulation from Spreadsheets

Session 4:

Creating Custom Reports

Simulation Benefits

Variability

Same number of customers everyday?

Interconnectedness

Delayed aircraft blocking a runway.

Complexity

Multiple pathways, different behaviours.

Simulation Benefits Vs Real Life

Cost

Expensive to experiment with new machinery

Time

Analysis over long/short time period

Control of Experimental Conditions

Change patterns / variables

Repeatability

Real system does not exist

Why SIMUL8?

Visualization > Understanding > Engagement > Communication

Discrete event simulation

- Time in simulation progresses based on events rather than fixed intervals.
- Clock “jumps” between intervals
- Fastest DES tool on the market

Support Resources

- F1 Key
- Help menu (File → Help)
- Online User Forum
- Simulation Assistant
- support@SIMUL8.com

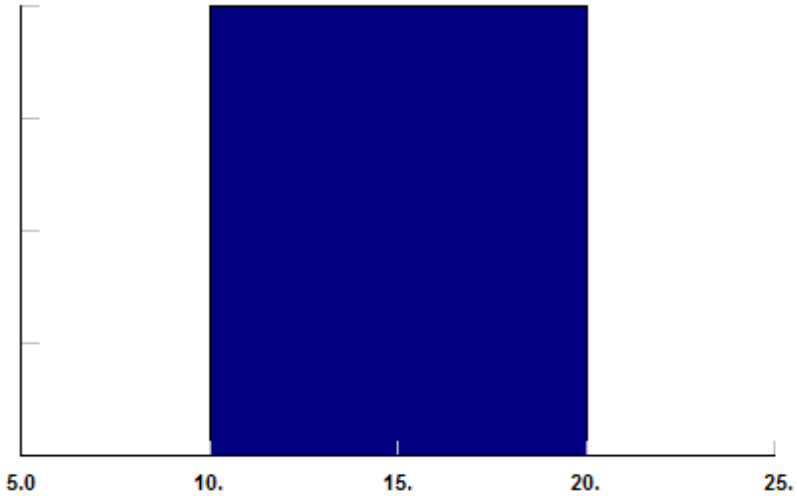
Getting Started

Building our first simulation

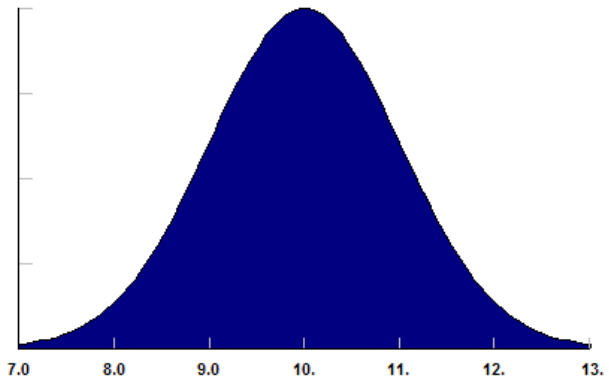
1. Clock Properties
2. Basic Structure

Distributions & Variability

Uniform Distribution

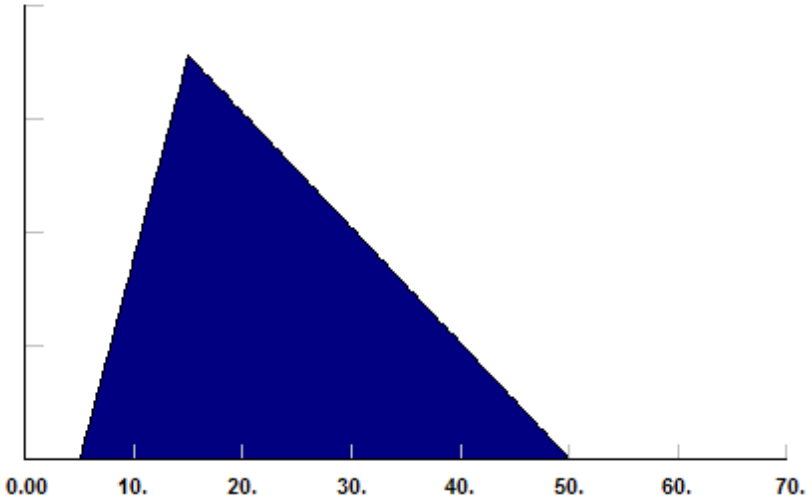


Normal Distribution



- 95% range (lower): mean – 2* standard deviation
- 95% range (upper): mean + 2* standard deviation

Triangular Distribution



Do you have any

Questions?

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Tune into our

NEXT WEBINAR

9.27.16

Session 2:

Adding Complexity to your Simulation