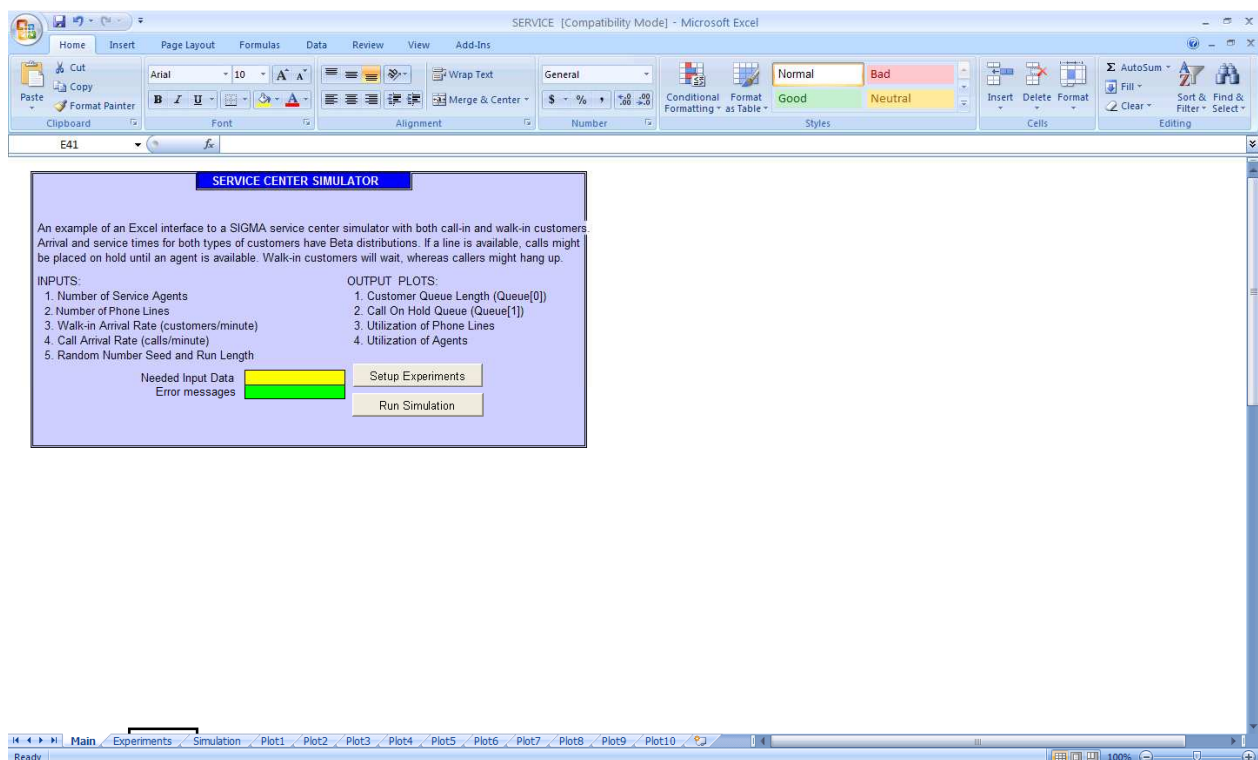


XLDEMO2 Tutorial

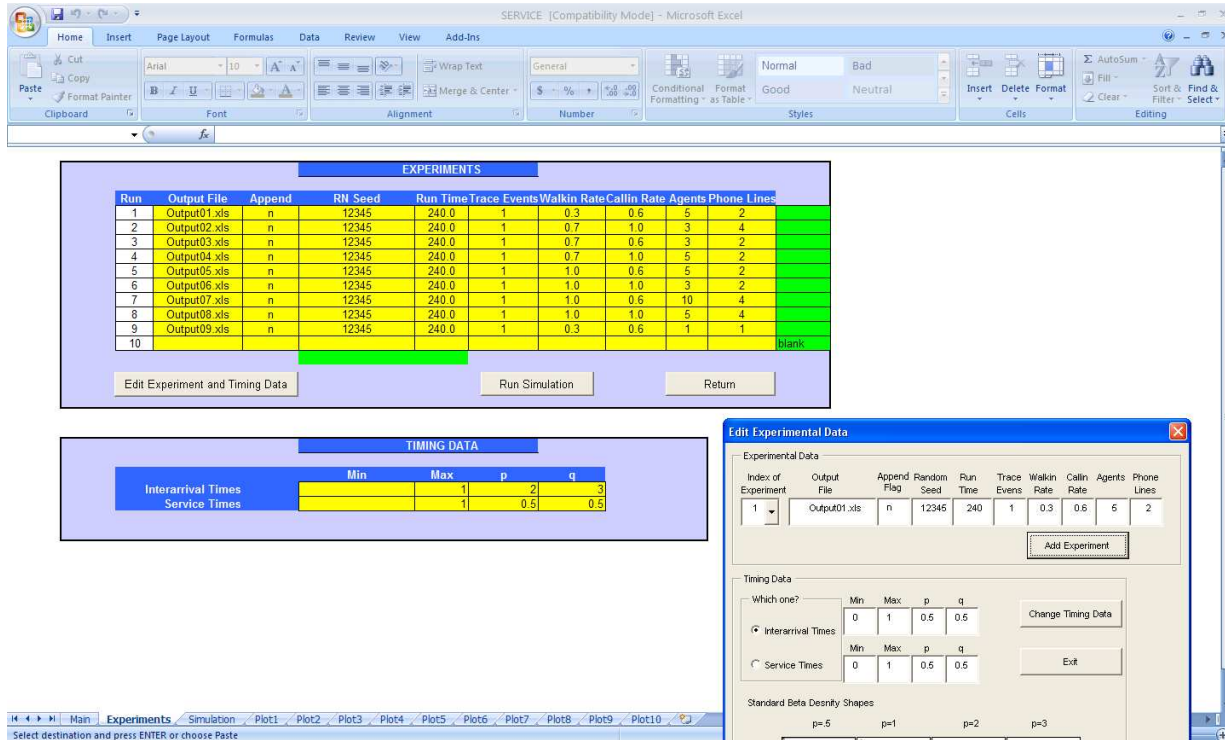
While SIGMA is a great tool for constructing and debugging simulation models, the final users of a simulation model usually want a professional looking front end that allows only some features of the simulation to be changed. SIGMA can be integrated with an Excel dashboard that allows anyone to create experiments and view the output. A SIGMA model is used as the engine for the Excel interface, but the simulation itself is hidden to the user. Let's look at a simple example that uses SERVICE.MOD.

1) Locate SERVICE.XLS in the '_XLDEMO2 of Excel Interface' folder of your Sigma Models.



Be sure to enable macros when asked, so that the Excel spreadsheet can communicate with the simulation. The main worksheet lists the experiment inputs available and what you will see as the output. Click 'Setup Experiments' to view the current input data. If you want, you can edit the experiments here, too.

Note that this simulation model has 4 main inputs: the walk-in and call-in rates, and the number of agents and phone lines. Your simulation may have different settings and you can change the columns accordingly.

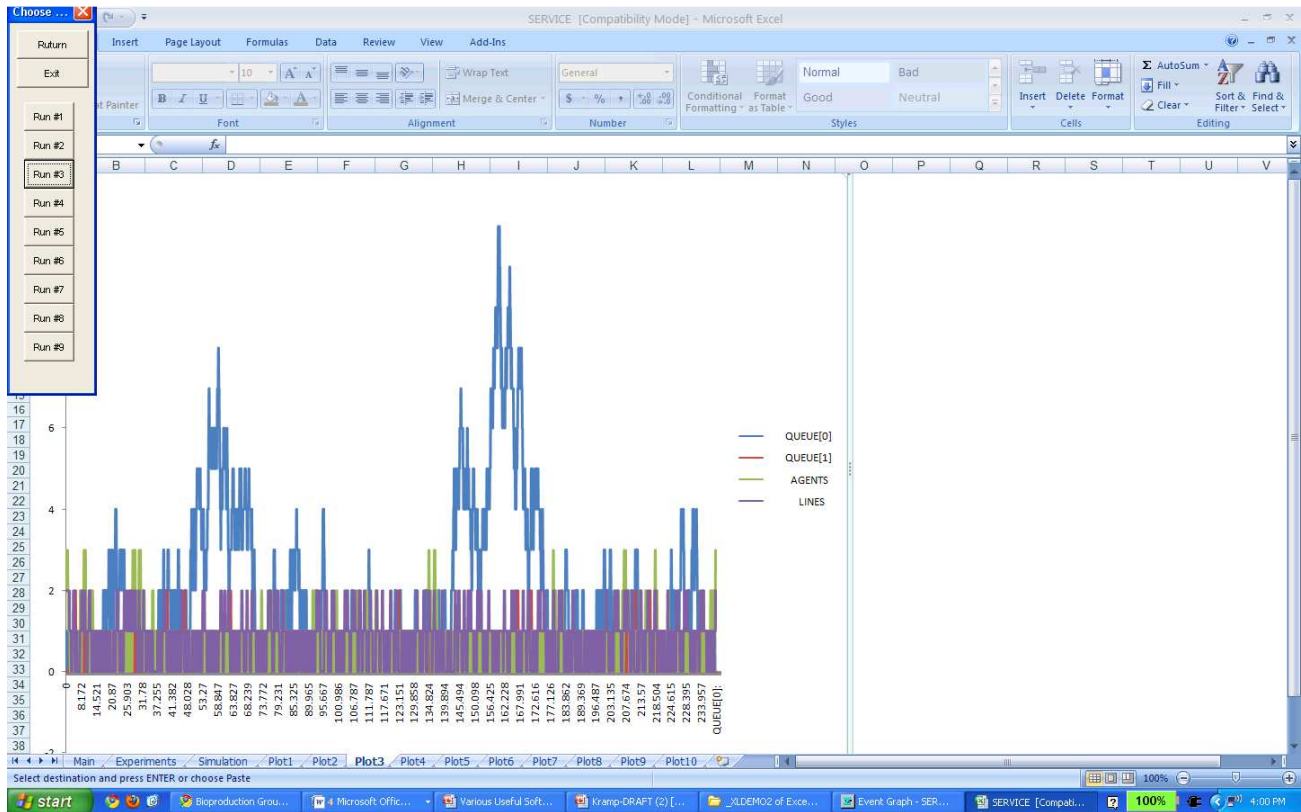


2) Now, click 'Run Simulation' and SIMULATE to run the model.

The executable file finishes running all 10 experiments extremely quickly. Once you close that window, Excel will take some time to process the data and create 10 output files under the names specified in the experiment data.

3) As soon as the trace files are complete they will appear in the XLDEMO2 folder and Excel will prompt you to view your plots!

Click any of the run buttons to view your plots. Since we ran 9 experiments, there will be 9 plots to choose from. Close the pop-up window to explore the tabs on your own.



As you can see, SIGMA is a powerful tool that can be used to create entirely new simulation products.

Thank you for watching this SIGMA tutorial.