Excel Add-In II (Profiling Excel Models in JMP®)

Use the Excel JMP add-in to visualize and explore Excel models in JMP using the Prediction Profiler. Available in Windows only. For more information on using the Excel JMP add-in, search for “Excel Profiler” in the JMP Help (under Help > JMP Help).

The Excel Add-In: Profiling Excel Models in JMP

When you install JMP, a JMP add-in tab is automatically installed in the Excel menu system. Click on the tab to open the JMP add-In.

1. Build an Excel model.
   In this example, an Excel worksheet is used to model loan amortization results. Loan (loan amount), Interest Rate and PMT (monthly payment) are inputs, and Years to Payoff, Total Interest and Total Paid are the outputs. The output values are derived from the input values using Excel formulas.

2. Select Create/Edit Model to define the model for JMP.
   - Define the Model: Click on “+” next to Model to add a new model.
   - Define Inputs:
     a. Click on the “+” to add an input.
     b. Type the input variable name in the Input Name field, or click Choose to select it in the worksheet.
     c. Next to Cell, click Choose to select the cell containing the formula or value that corresponds to the input variable name.
     d. Enter Minimum, Initial and Maximum values, or accept the defaults, and hit Apply.
     e. Repeat until all inputs have been entered.
   - Define Outputs: Repeat steps a-c above for each of the outputs, then click OK.

3. Select Run Model to profile the model in JMP.
   - Choose the model you want to profile, then click Profile in JMP.
   - The Prediction Profiler window will open in JMP. If JMP is not already open, it will open automatically.
   - In the Prediction Profiler, change values of the inputs by dragging the vertical red lines to observe changes in the predicted outputs.

Notes: To access the simulator, interaction profiler, or to set desirability functions, click the red triangle next to Prediction Profiler. For more information on how to use the Prediction Profiler, see the “Profiling” chapter in the book Modeling and Multivariate Methods (under Help > Books).