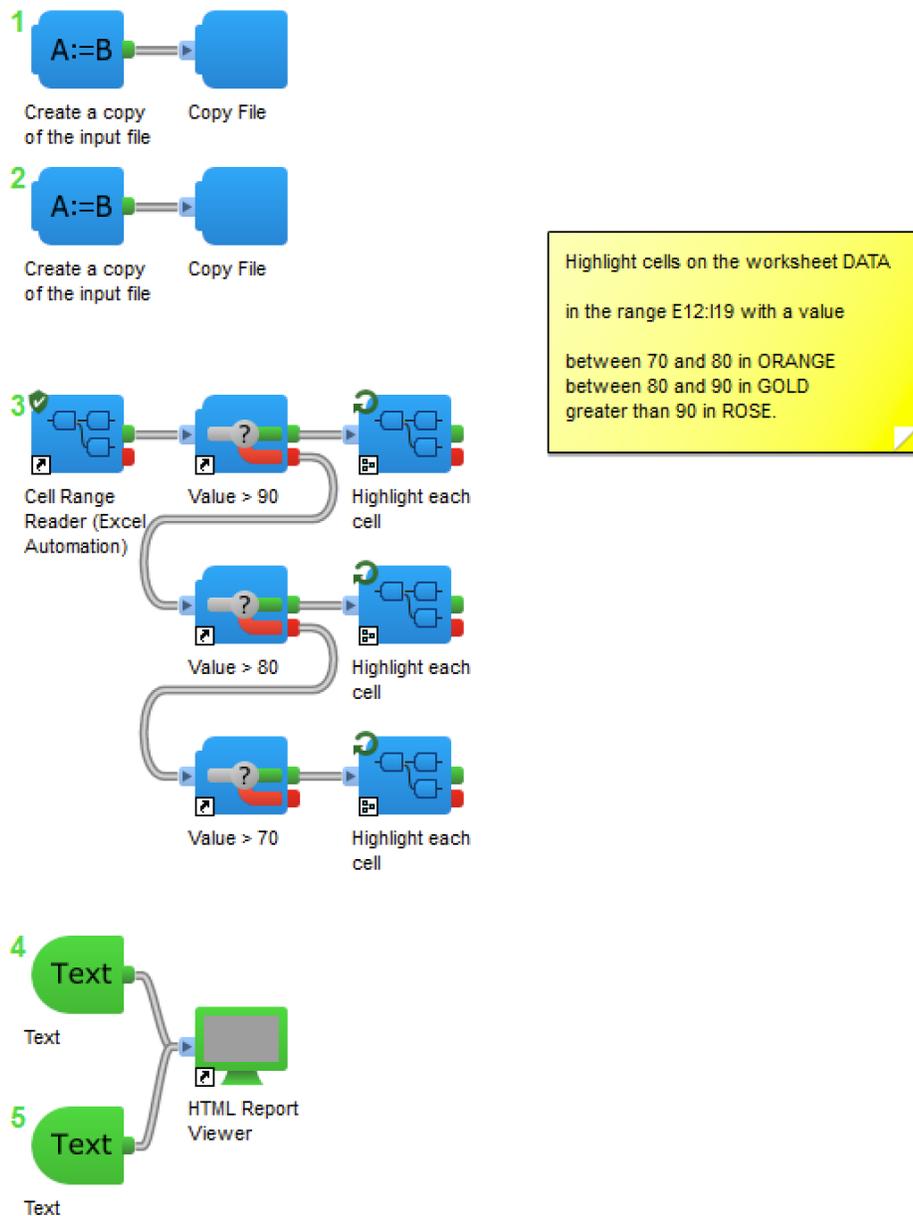


02 Highlight Cells by Value Thresholding

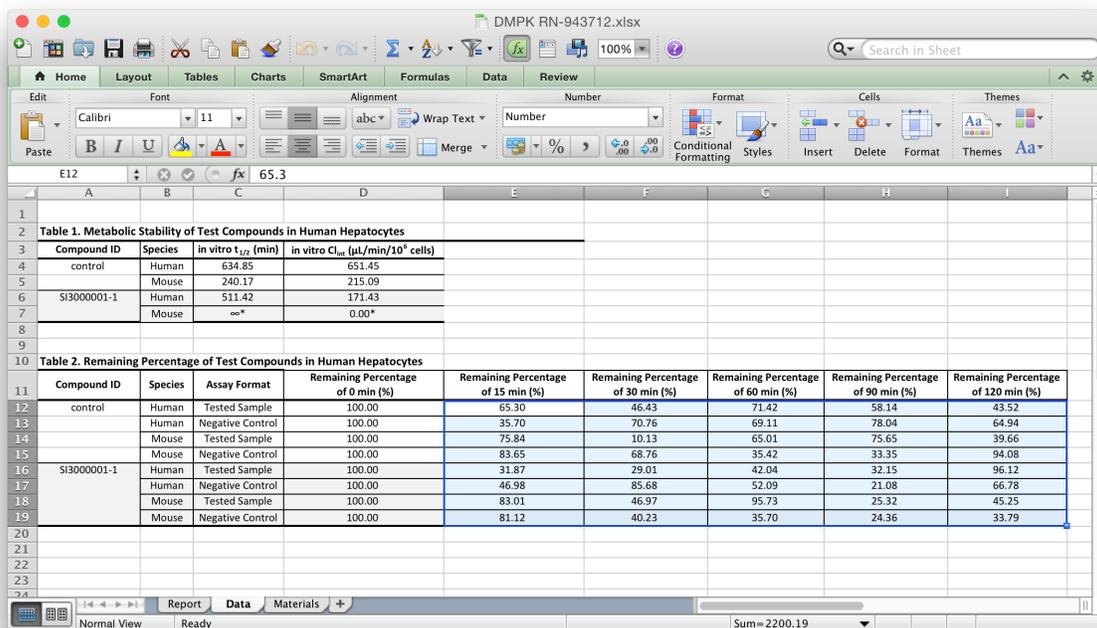
Purpose

Highlight cells in a specified cell range on a worksheet containing complex formatting and other data. For highlighting, use one of three colors to indicate cell value (orange:low, gold:medium, rose:high).



Workflow

In this example we color-highlight cells by their value, in the cell range E12:I19 on the **Data** worksheet in the file `data.a/DMPK RN-943712.xlsx`.



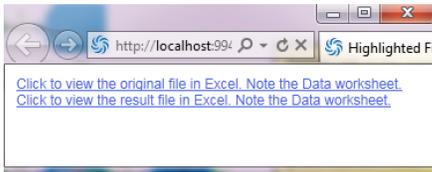
Before reading any data we make a copy of the input file in the job directory. The original input file is shared by all users of the exercise: creating a copy ensures that the original file is not modified.

Now we start reading from our copy of the file. The values are put into the property "value". We threshold them into 70-80, 80-90, and >90 bins. Each set of data records is then sent into the Cell Highlight component with one of three colors: orange, gold, or rose. The Cell Highlight component works on one cell at a time in a run-to-completion subprotocol. Our copy of the original file is modified repeatedly.

At the end of the protocol we bring up a browser window with download links to the original and result files for comparison.

Results

Here is the result of the protocol.



MY COPY DMPK RN-943712 (3).xlsx

Search in Sheet

Home Layout Tables Charts SmartArt Formulas Data Review

Font:Calibri 15, Alignment:Wrap Text, Number:General, Format:Conditional Formatting, Styles, Insert, Delete, Format, Themes

Table 1. Metabolic Stability of Test Compounds in Human Hepatocytes			
Compound ID	Species	in vitro $t_{1/2}$ (min)	in vitro Cl_{int} ($\mu\text{L}/\text{min}/10^6$ cells)
control	Human	634.85	651.45
	Mouse	240.17	215.09
SI3000001-1	Human	511.42	171.43
	Mouse	∞^*	0.00*

Table 2. Remaining Percentage of Test Compounds in Human Hepatocytes								
Compound ID	Species	Assay Format	Remaining Percentage of 0 min (%)	Remaining Percentage of 15 min (%)	Remaining Percentage of 30 min (%)	Remaining Percentage of 60 min (%)	Remaining Percentage of 90 min (%)	Remaining Percentage of 120 min (%)
control	Human	Tested Sample	100.00	65.30	46.43	71.42	58.14	43.52
	Human	Negative Control	100.00	35.70	70.76	69.11	78.04	64.94
	Mouse	Tested Sample	100.00	75.84	10.13	65.01	75.65	39.66
	Mouse	Negative Control	100.00	83.65	68.76	35.42	33.35	94.08
SI3000001-1	Human	Tested Sample	100.00	31.87	29.01	42.04	32.15	96.12
	Human	Negative Control	100.00	46.98	85.68	52.09	21.08	66.78
	Mouse	Tested Sample	100.00	83.01	46.97	95.73	25.32	45.25
	Mouse	Negative Control	100.00	81.12	40.23	35.70	24.36	33.79

Report Data Materials +

Normal View Ready Sum=0