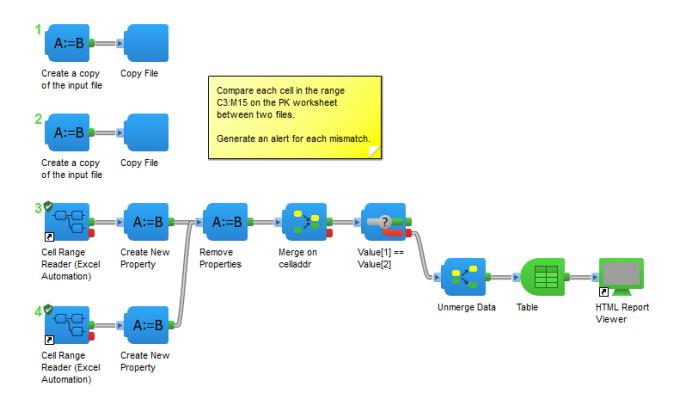
09 Reconcile Data Between Two Files

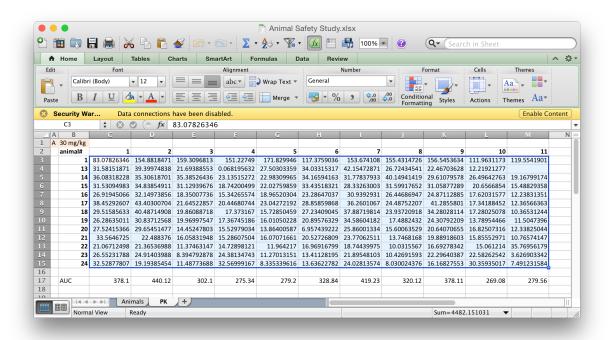
Purpose

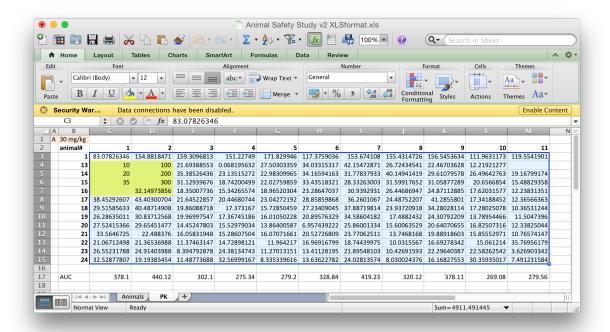
Automatically match values for each cell in the same cell range in two different Excel files, and identify discrepancies. Generate an alert for each mismatch.



Workflow

In this example we compare each cell in the range C3:M15 on the **PK** worksheet between two files: data/Animal Safety Study.xlsx and data/Animal Safety Study v2 XLSformat.xls.





Excel Automation examples

Before reading any data we make a copy of both input files in the job directory. The original input files are shared by all users of the exercise: creating a copy helps ensure the original is not accidentally modified if you later decide to use a writer component on the file.

Using the **Cell Range Reader** component, we read from our copy of each file and extract the values from the C3:M15 range on the **PK** worksheet. We send them into Pipeline Pilot as data records with the property "value".

We merge cell data on cell address (e.g. C8, E10, etc.) so that each cell pair becomes an array of values - as we are reading from two files.

Using a PilotScript filter component we compare the values in each pair and if they differ or one is missing, generate an alert in a web browser window.

Results

Here is the result of the protocol.

