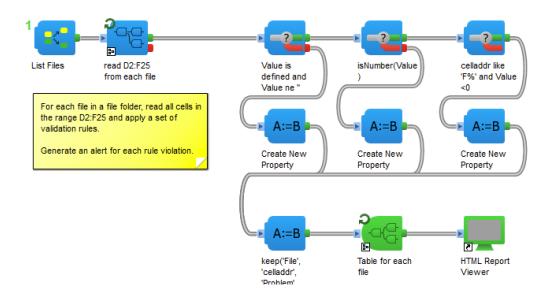
10 In a Large Folder, Find Files with Typos

Purpose

Automatically process a set of files in a folder, look for mis-formatted data in a cell range. For each file that contains bad data, generate an automated alert.

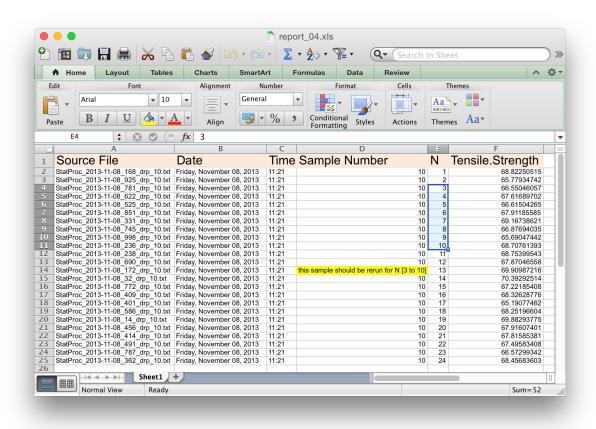


Workflow

In this example we read all files from the folder data/process_reports. For each file in the folder, we read all cells in the range D2:F25 (i.e. columns D,E,F) on the first worksheet and apply a set of validation rules. We generate an alert for each rule violation.

Validation rules: 1) cells must not be blank, 2) values must be numeric, 3) values in column F must be positive.

A typical file may be in either .XLS or .XLSX format and looks like this:



Using the **Cell Range Reader** component, we read the same D2:F25 range from each file and put cell values into Pipeline Pilot data records with the property "value".

Using PilotScript filters we identify rule violations and create annotation text for each violation. The annotations are then aggregated into a table that is displayed in a web browser window, organized by file name and cell location on the worksheet.

Results

Here is the result of the protocol.

