



MPath Spotlights – Data Explorer

Visualizing external files

MPath's Data Explorer is a powerful tool for analyzing all sorts of tabular data. Use it to view and plot data in any delimited text file and produce report-quality graphics.

1. Open the file in Table Editor.

(To do this, in the MPath main window under Text Files, right-click the file you want to analyze and choose Open in Table Editor.)

2. Set the Column delimiter used in the file and use the Preview to ensure the file is correctly formatted, then click OK to import the file.

3. From the View menu, choose Data Explorer.

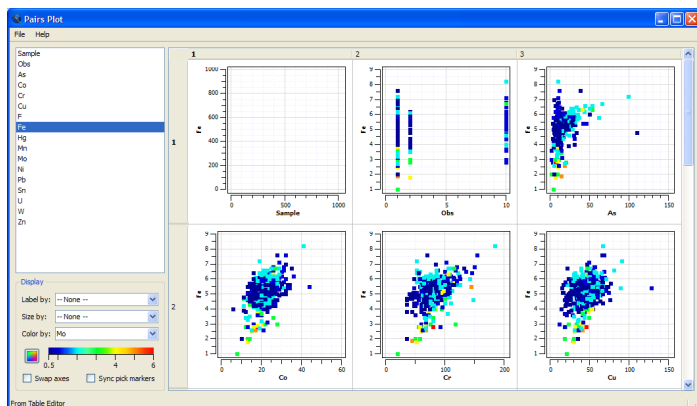
There are several reports to choose from, including Cross Plot, Cross Table, Statistics, and Pairs Plot.

4. Click Pairs Plot. The pairs plot plots all variables in the set against all other variables, allowing for rapid screening of data.

5. Select the variables to plot by clicking the checkboxes.

6. To apply constraints to the variables being plotted, in the Constraints box, select the variables you want to constrain and enter a range.

7. Click Plot. Data Explorer displays the plot.



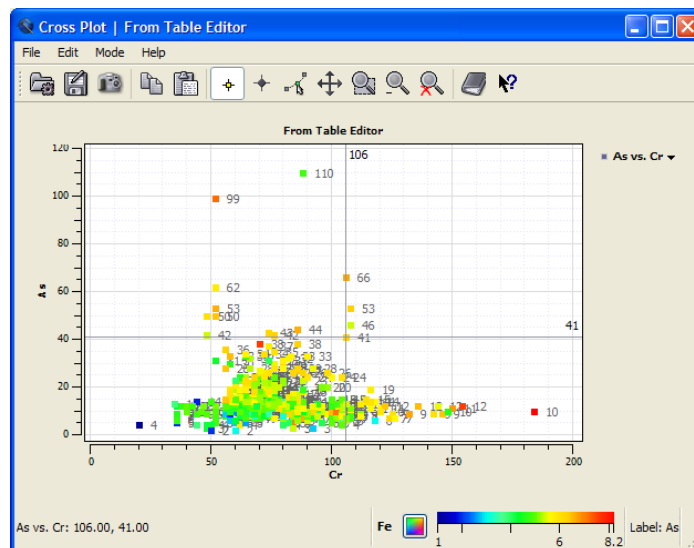
Pairs Plot of variables in a text file

8. In the Pairs Plot window, choose the variable to be displayed on the Y axis of the plots by selecting it in the list.

9. Select variables by which to color and size the data points.

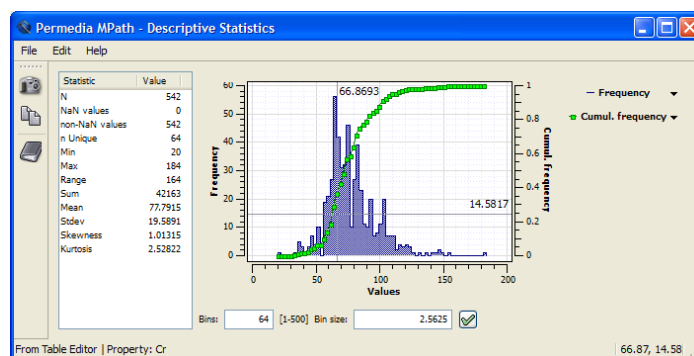
Other things to try

For a more detailed look at specific relationships, use Cross Plot. Cross Plot allows you to query and label variables, customize the appearance of the plot, as well as fit new curves and save curves for use in other plots.



Cross Plot of two variables, colored by a third and labeled by a fourth

Statistics provides summary statistics for all variables, as well as frequency and cumulative frequency plots.



Descriptive statistics

Cross Table is similar to Pivot Tables used in MS Excel. These are useful for summarizing data and can reveal relationships.

Multi Plot allows you to plot multiple variables on the right and left Y axes.

Use Table Editor to clean up the data in the file. Table Editor includes basic editing capabilities, and allows you to create and save a subset of the data using any combination of numerical constraints.