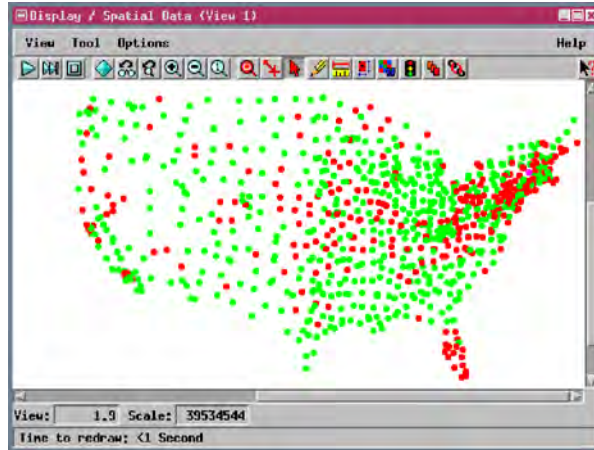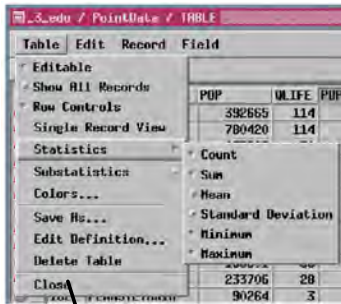# Database Statistics and Plots

Points represent 3-digit zip code locations. Highlighted points (red) were selected by query of the original data table to identify 3-digit zip code areas where people older than 25 make up more than 65% of the population. The same object is illustrated at the bottom of the page with points selected by query of the table created by saving the Sum substatistics.
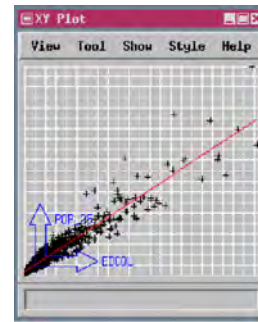
You can examine the relationship between the values in any two fields using the XY Plot feature. Select the field desired for the X axis (click on the field name at the top of the tabular view), then hold down the shift key and select the field for the Y axis. There are many options for display of your XY Plots including how the coordinate values are displayed (as a line or in one of five point shapes, among other choices), and whether the grid or other optional features, such as a regression line or labels, are displayed. In the two sample XY Plots below, one shows a strong positive correlation and the other shows no correlation between values in the two selected fields. In the example on the right, the X axis field is a computed field,

Statistics, substatistics, colors and options for saving new tables are chosen from the File menu.

The XY Plot option is active whenever two fields are selected.

College Graduates versus Population > 25
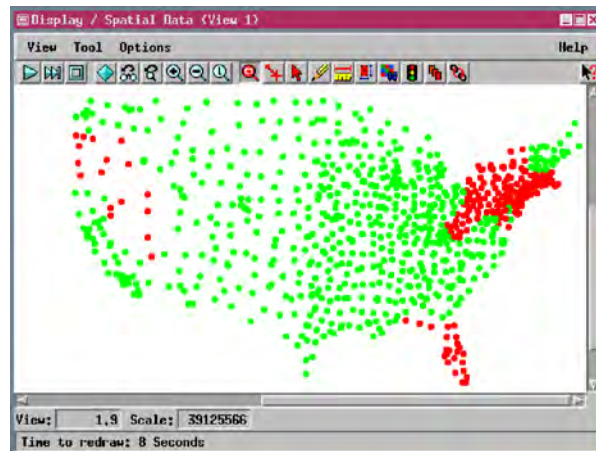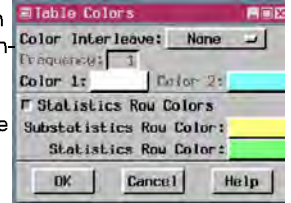
% College Graduates versus Quality of Life

The new table (near left) saved from the substatistics rows of the larger table (far left) contains records with the field sorted on (in this case, state name) and all numeric fields for which substatistics were calculated.

Colors can be independently set for each record type (statistics, substatistics, and data). You can also choose to interleave two colors for data records.

Points selected by query of table saved from substatistics. All points within a given state will be selected if the state Sum record satisfies the query.

Statistics rows (blue) are fixed at the bottom of the tabular view so they are visible regardless of your position in the table. Substatistics rows (yellow) scroll with the table so they immediately follow the fields they summarize.