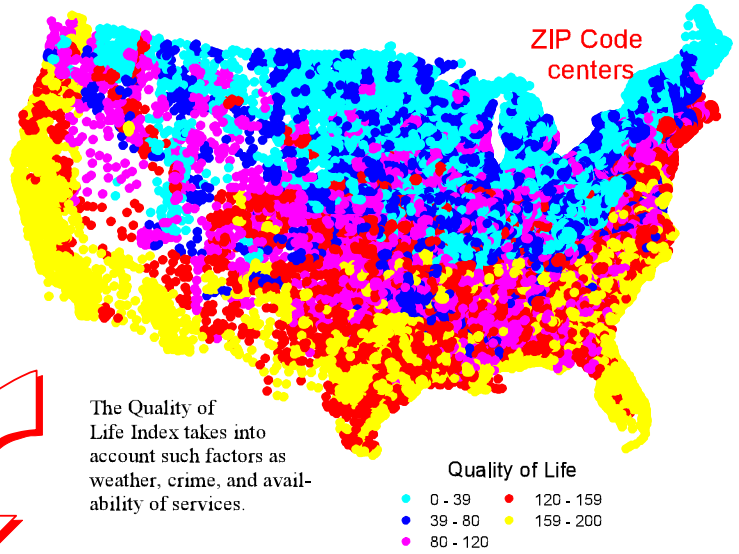
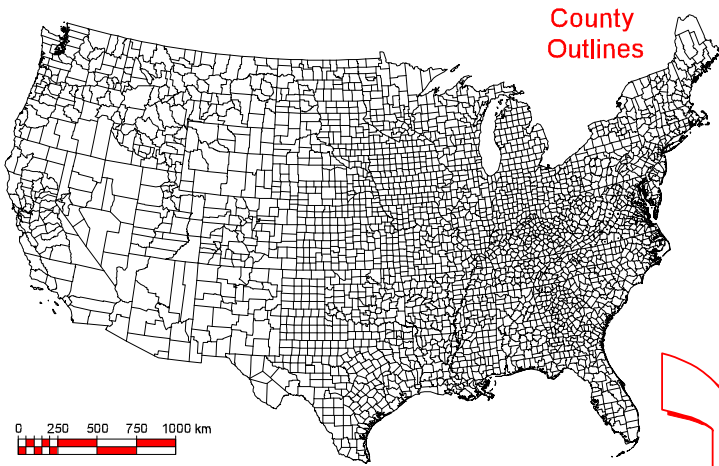


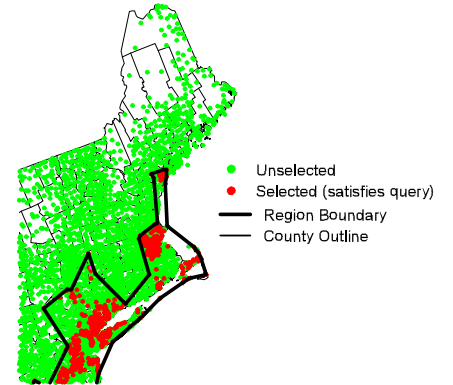
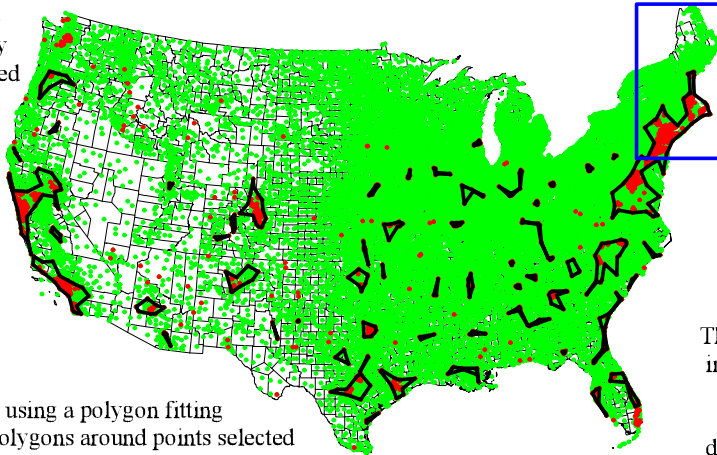
Using Regions in TNTmips and TNTview

Targeting Well Educated Counties with a High Quality of Life Index



Select Points by Database Query as input for Polygon Fitting and Region generation

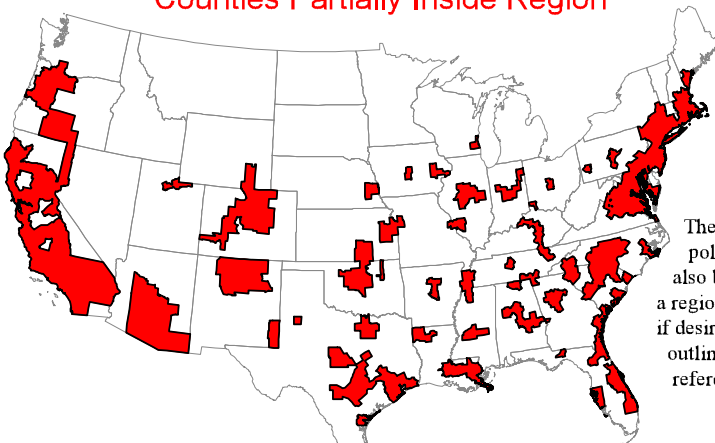
Regions allow you to select elements in any number of layers based on attributes of a different layer. This example uses the attributes of one vector object (points identifying ZIP code centers) to select polygons in a second vector object (county outlines).



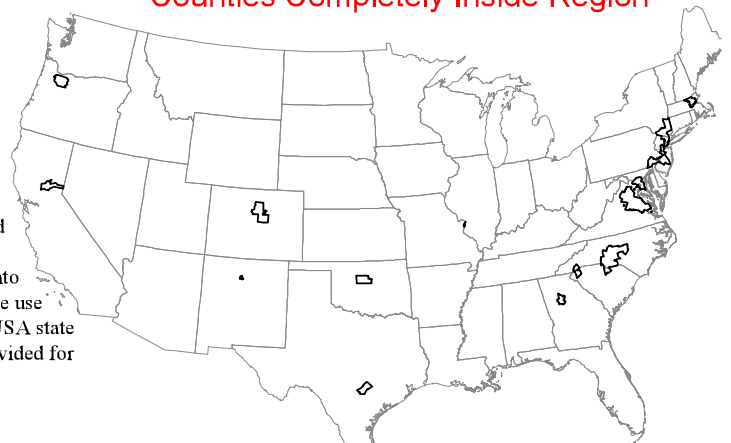
A region was created using a polygon fitting algorithm to derive polygons around points selected by query as having more than 40% of the population over 25 with college degrees and an EASI Quality of Life Index greater than 100. The county outlines vector object is shown above at left. The ZIP code points are shown at the upper right as a theme map depicting the Quality of Life Index.

The county outline and ZIP code vector objects are shown in overlay at the center of the page. The drawing style for these points is green filled circles with points selected by query drawn in highlight (red). The polygons drawn were generated from the selected points by clicking on the Create Region icon in the Element Selection window and using the Polygon Fitting parameters shown on the back of this sheet. The region created by polygon fitting was then used to interactively select counties in the other vector object either partially inside (bottom left) or completely inside (bottom right) the region.

Counties Partially Inside Region



Counties Completely Inside Region



These selected polygons can also be made into a region for future use if desired. The USA state outlines are provided for reference.