

Lab 4 - Proportional Symbols

In this exercise, you will create three different proportional circle maps showing the 2004 Alcohol Related Traffic Fatalities Statistics for the 50 United States and the District of Columbia.

Each map will employ a different method for determining circle sizes. The methods will consist of an absolute scaling method, a psychological scaling method and a range-graded method. You will be determining circle sizes for each state.

- For the absolute scaling method, use the square-root method;
- For the psychological scaling method, use Flanery's method;
- For the range graded method, use natural breaks.

Your map should be in black and white only. Again, you should adhere to principles learned in previous labs. For this lab, this includes balance and layout, figure-ground contrast, type placement, titles, legends, scales, and other marginal information.

You should turn into me:

- (1) your compilation worksheet (optional, but still a good idea to do one)
- (2) a table containing your symbol sizes for each method
- (3) a laser print copy of your maps and
- (4) a 1/2 to 1 page typed discussion of which method you believe best portrays your data.

And finally,

- (5) put your map(s) on your web page