Spatially Varying GWR (Local) Regression Results:
Model Fit and Exposure Effect Predicting Quality of Life Outcome

Local R-Square
- 0.742 - 0.836
- 0.836 - 0.890
- 0.890 - 0.933

Better Model Fit

Poorer Model Fit

TRI Effect (b)
- Negative Effect
- No Effect
- Positive Effect

Higher Exposure = Lower Quality of Life Score

Higher Exposure = Higher Quality of Life Score

25 0 25 50 75 100 miles

Data Sources:
1) County Health Rankings Report from Robert Wood Johnson Foundation
2) TRI Data from the EPA

Map by Mallory Evans