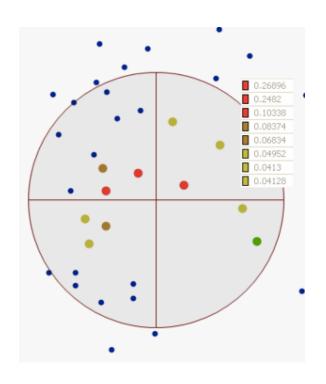
WETHODS IN ANALYSIS
WISPATIAL DATA ANALYSIS

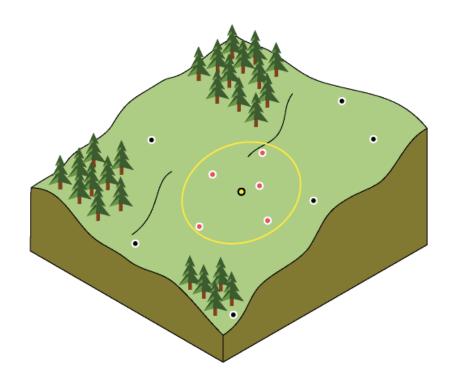
SPATIAL STATISTICS + REGRESSION MODELS

SPATIAL AUTOCORRELATION/MORAN'S I

- Ranges from -1 to 1
- Measures clustering of a variable in space
- Contiguity Rank

INVERSE DISTANCE WEIGHTING





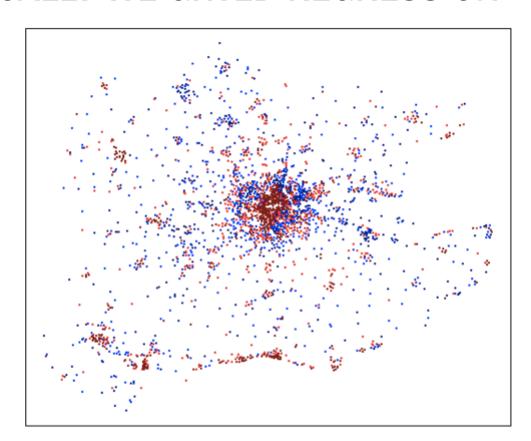
OTHER METHODS TO RESEARCH/EXPLORE

- Polynomial Regression
- Krigging
- Spatial Lag

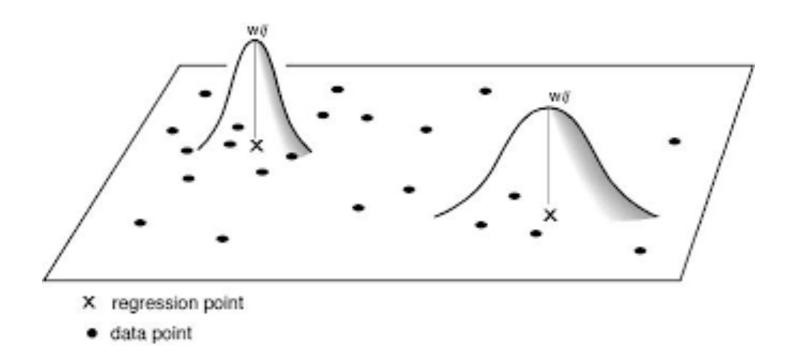
GWR- GEOGRAPHICALLY WEIGHTED REGRESSION

Do relationships vary spatially?

 Let's take a look at a map of residuals:

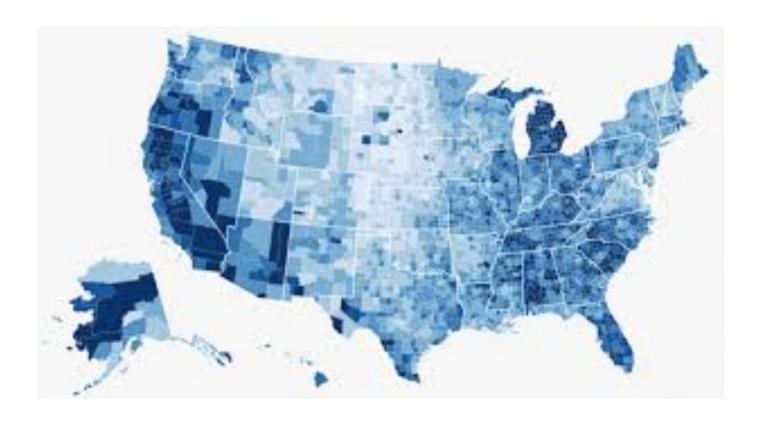


GWR- GEOGRAPHICALLY WEIGHTED REGRESSION



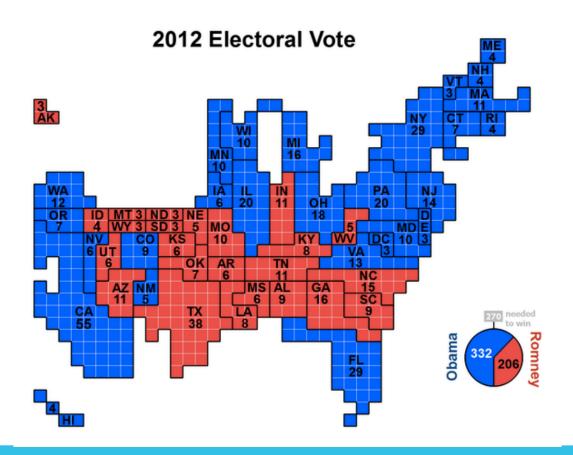
VISUALIZING GEOGRAPHIC DATA

CHOROPLETH MAPS

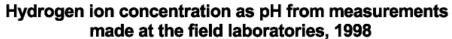


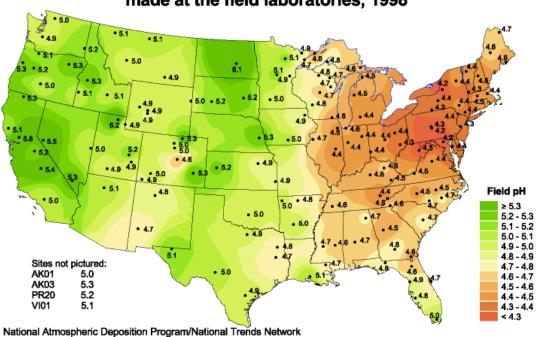
https://bl.ocks.org/mbostock/4060606

CARTOGRAM MAPS



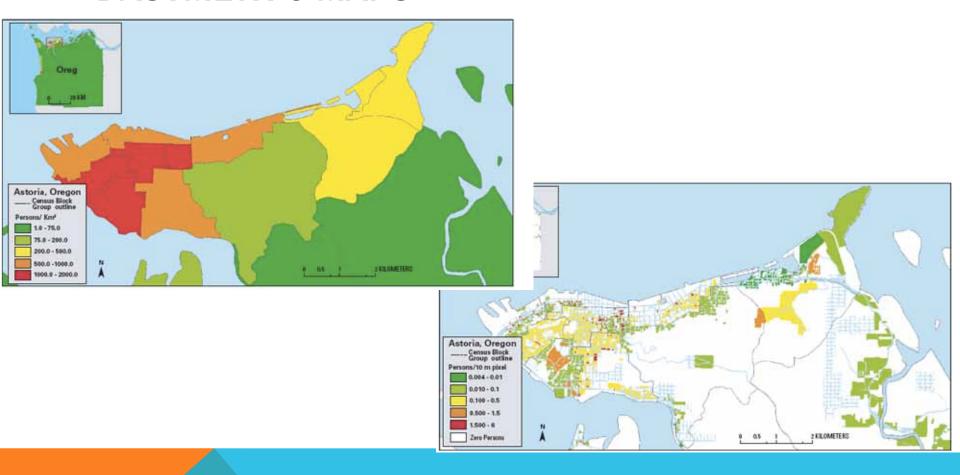
ISOPLETH MAPS





http://nadp.sws.uiuc.edu

DASYMETRIC MAPS



DASYMETRIC MAPS CONTINUED...

