




MEASURING THE DISTANCE PEOPLE IN NEED TRAVEL TO FOOD PANTRIES

DATA CRUNCH FOR SOCIAL GOOD
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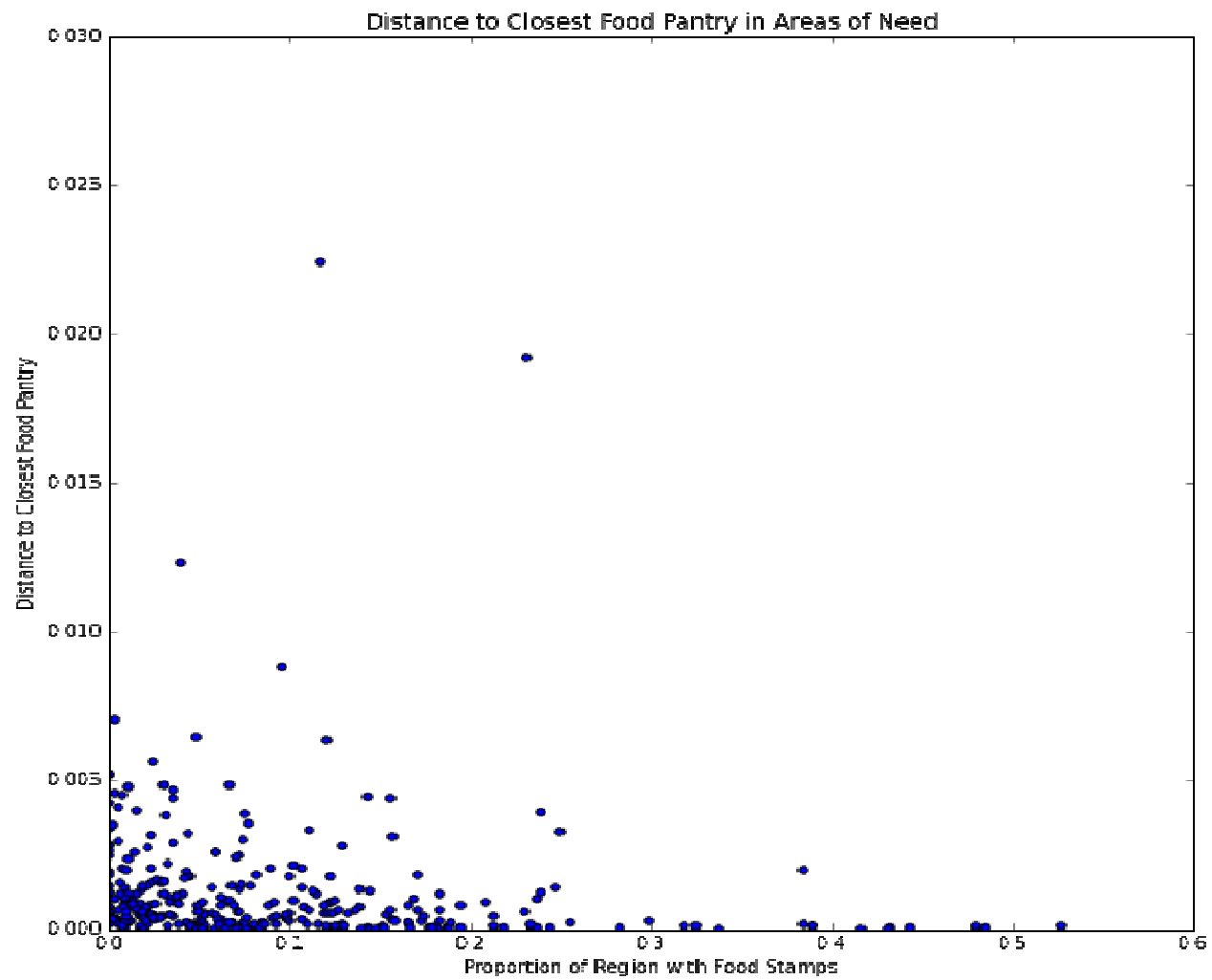


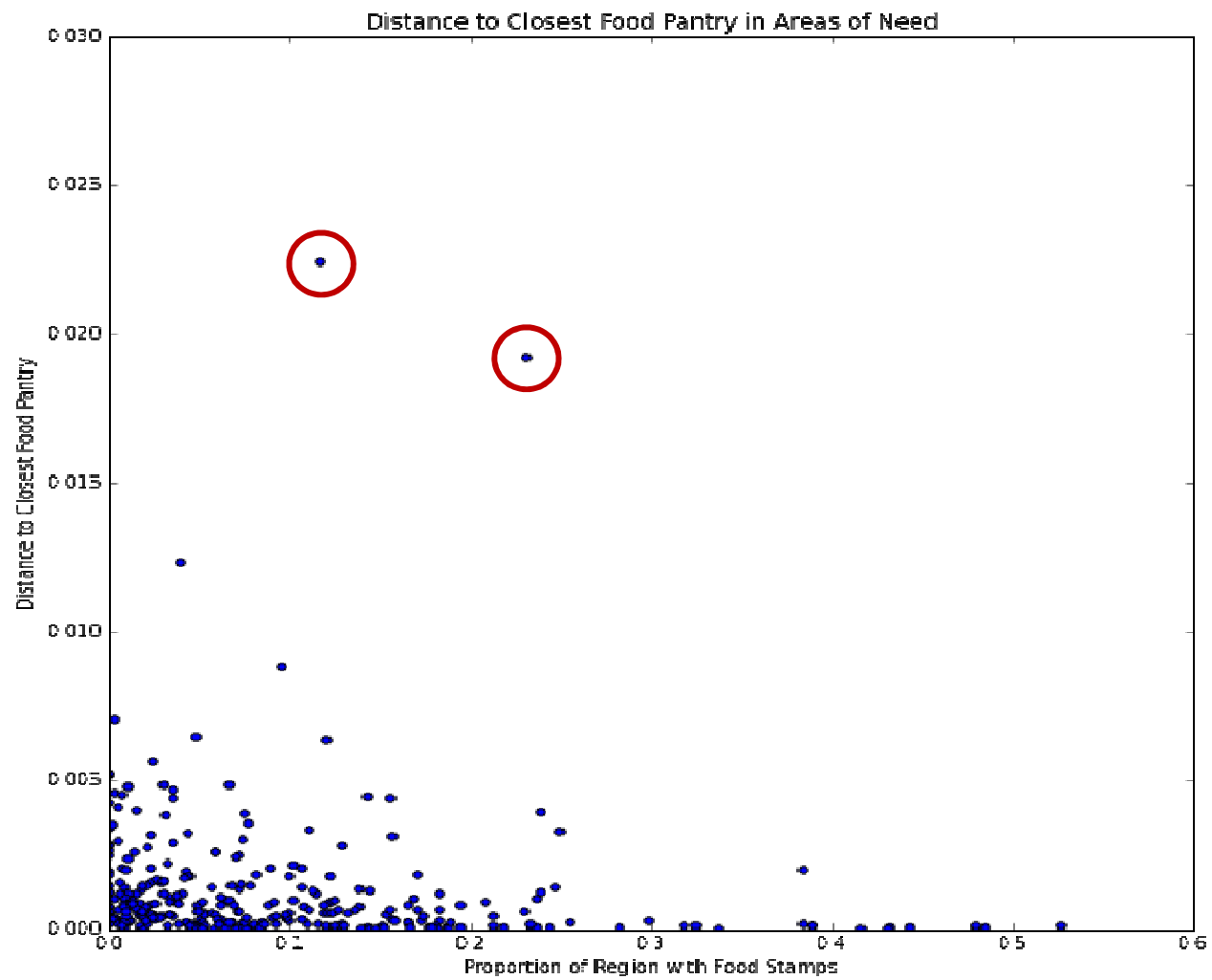
Overview

- North Carolina counties in our analysis
 - *Durham*
 - *Johnston*
 - *Orange*
 - *Wake*
- Analysis
 - *Calculated the distance from the census tracts to the food pantries*
 - *Observed the trends among households that received food stamps compared to their distance from food pantries*

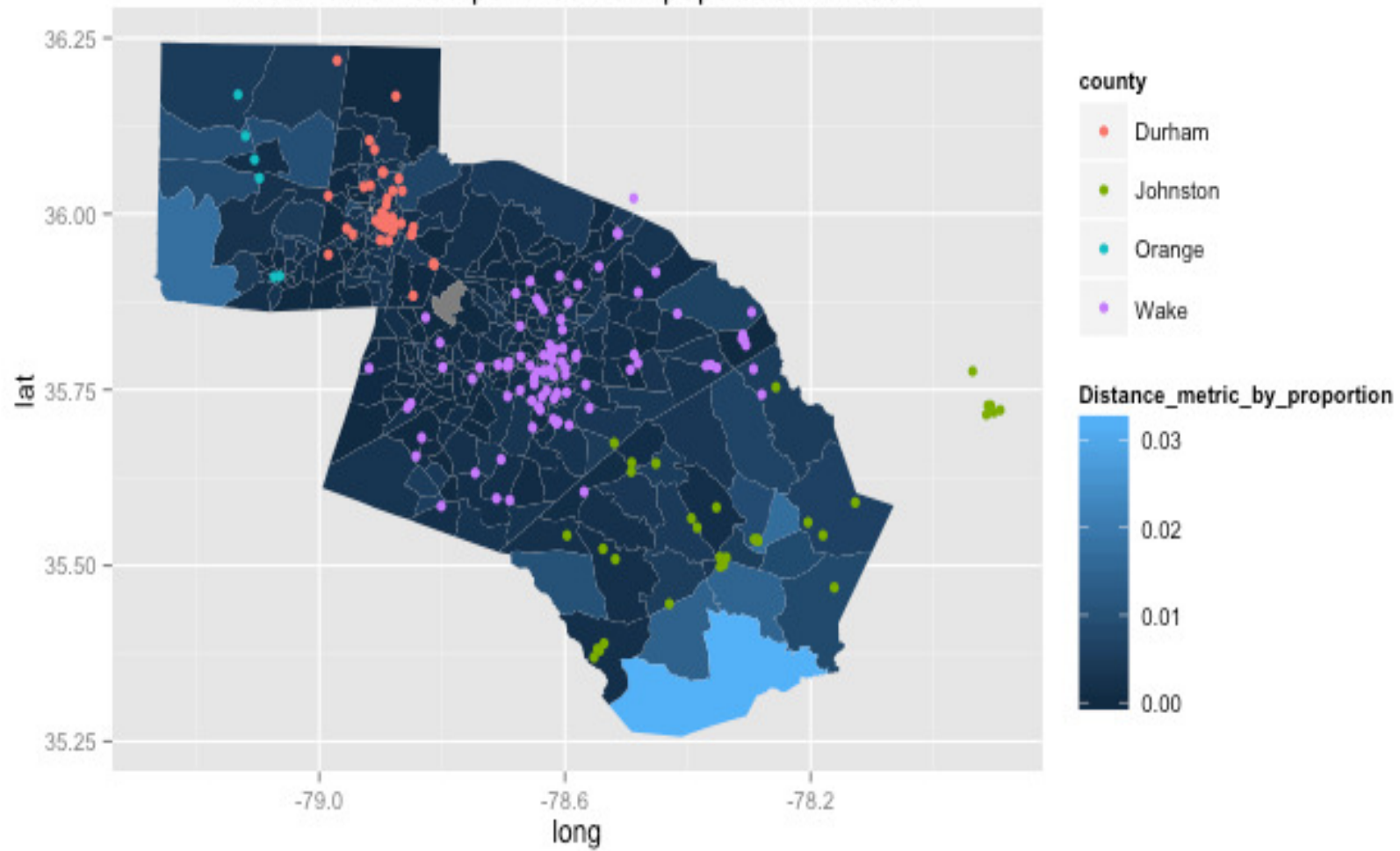
Methodology

- Information by census tract
- Make a shape file of the four counties of North Carolina on which we focused
- Convert the GEO ID's into longitudes and latitudes.
- Find the minimum Euclidean distance from the centroid point of a census tract to the food pantries.

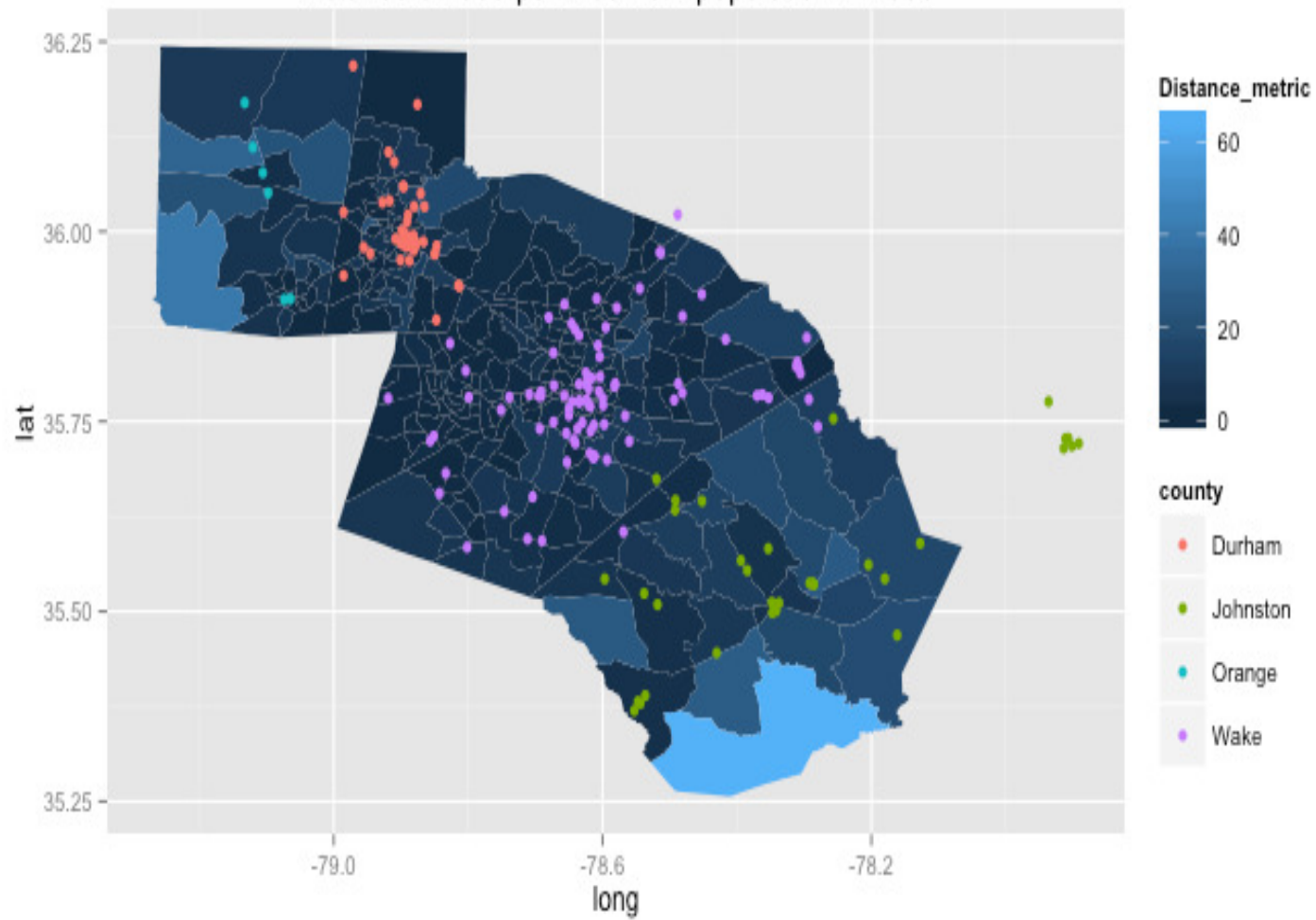




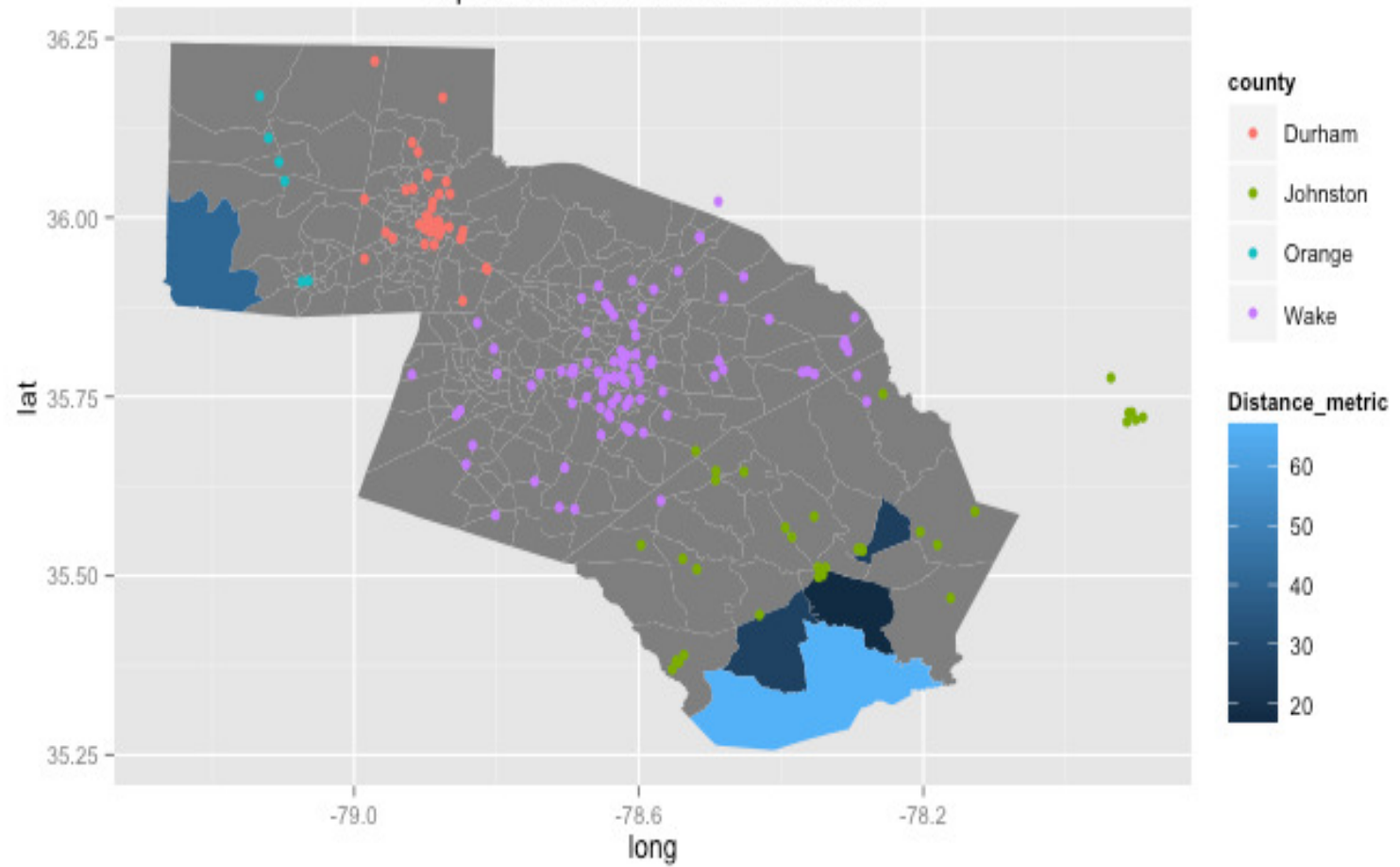
Distance of food pantries from population in need



Distance of food pantries from population in need



Top 5 most affected census tracts



Recommendations

- Investigate the following census tracts
 - *413 Johnston County*
 - *112.03 Orange County*
- Future Research
 - *Similar analysis but use different variables:*
 - People who receive WIC
 - People who receive SNAP
 - Locations of feeding sites