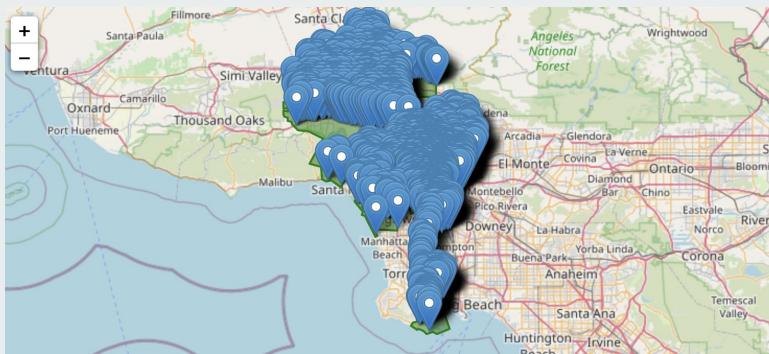


Food Access & Health in LA City

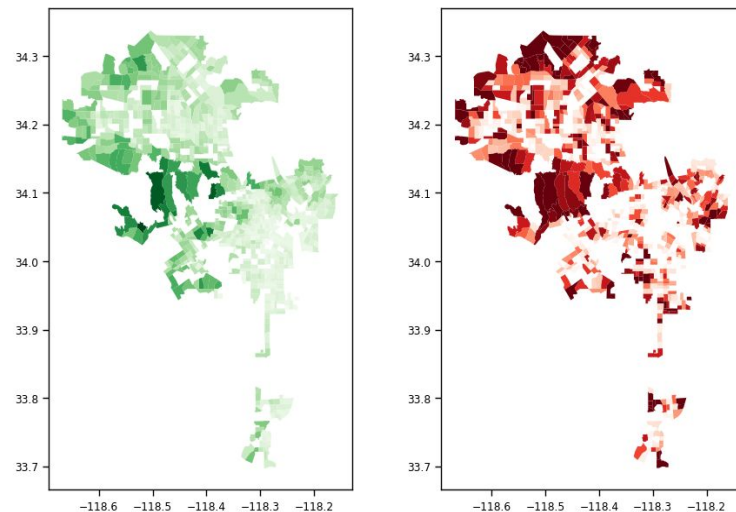
Spatial Sciences 1: Jessica Kweon, Brigitte Rodriguez, Clark Hsu, Angelyn Mendoza, Gabriela Magana

Research Question: Are diet-related health issues correlated with increased distance from full-service grocery stores for both white and BIPOC communities in the city of Los Angeles with consideration for factors like income?



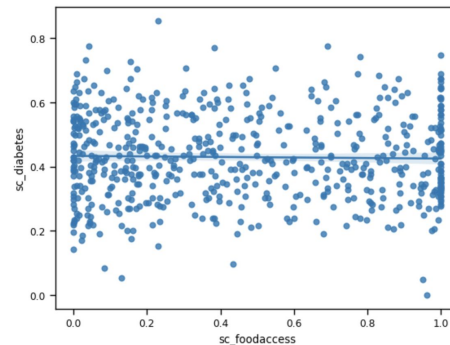
Folium Map of Grocery Store Locations

Food access is defined and measured by half-mile distance increments for populations within a census tract, allowing us to analyze food deserts in relation to the demographics of a population including income, race, and disease prevalence.



Choropleth Maps of Income (Green/Left) and Food Access (Red/Right) Distribution

Initial visualizations provide a snapshot that median household income and food access may be related.



Regression Plot of Food Access (X) and Diabetes Crude Prevalence (Y)

Regression plots helped confirm our findings that we were experiencing Omitted Variable Bias and needed to perform multiple regression.