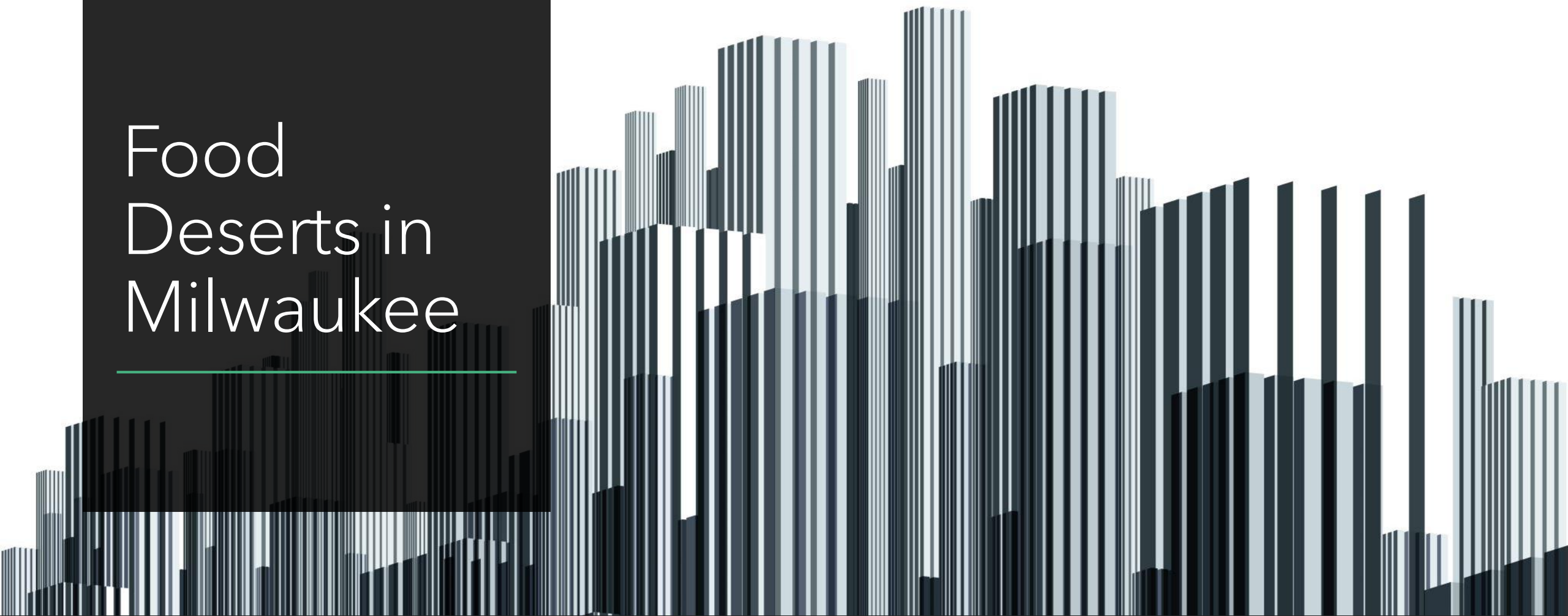
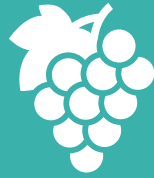


# Food Deserts in Milwaukee

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# The Problem



It has been shown that neighborhoods that face poverty tend to have less access to fresh food.



City planners, entrepreneurs and politicians need to be aware of the problems facing their cities.



Milwaukee is routinely listed as one of the most segregated cities in America

# Data

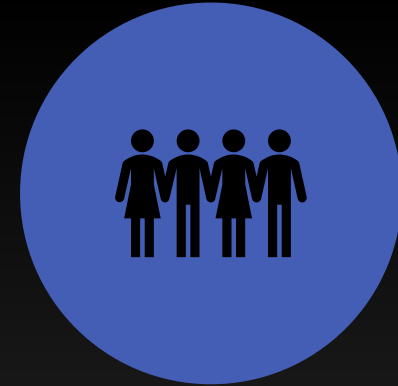
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NEIGHBORHOOD GEOSPATIAL DATA  
RETRIEVED FROM MILWAUKEE'S  
GOVERNMENTAL PAGE  
[HTTPS://DATA.MILWAUKEE.GOV/DATASET/  
NEIGHBORHOODS](https://data.milwaukee.gov/dataset/neighborhoods)

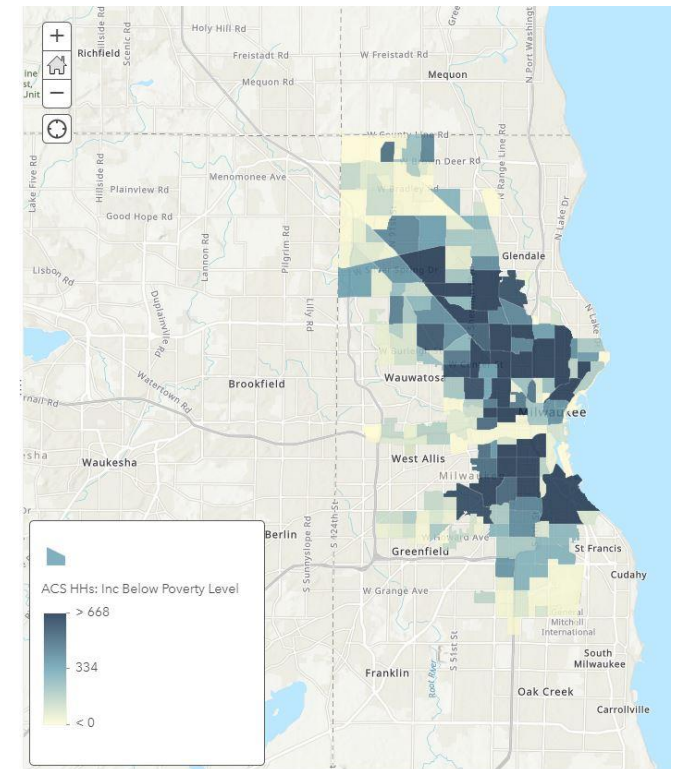
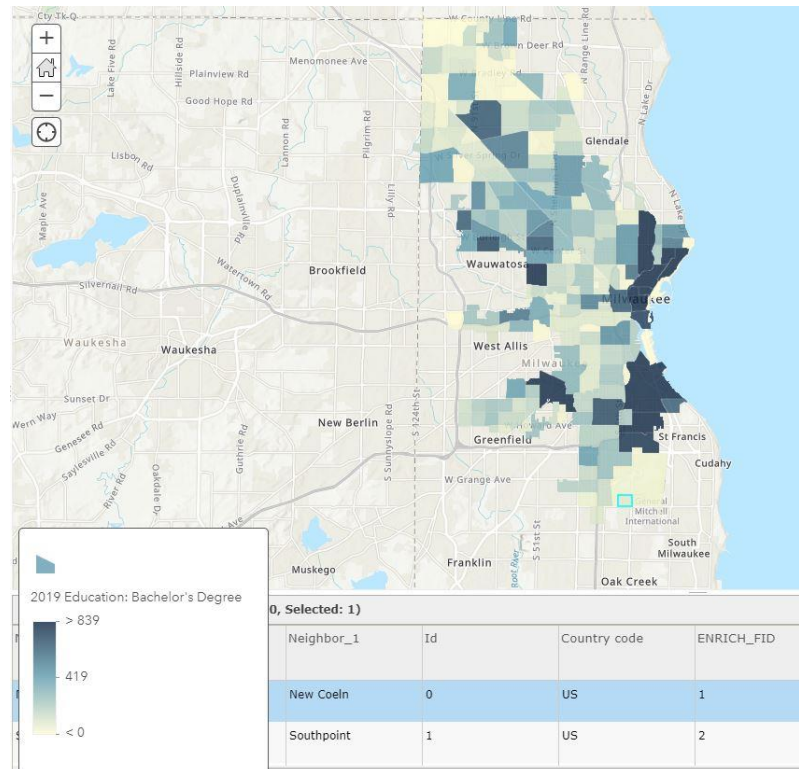
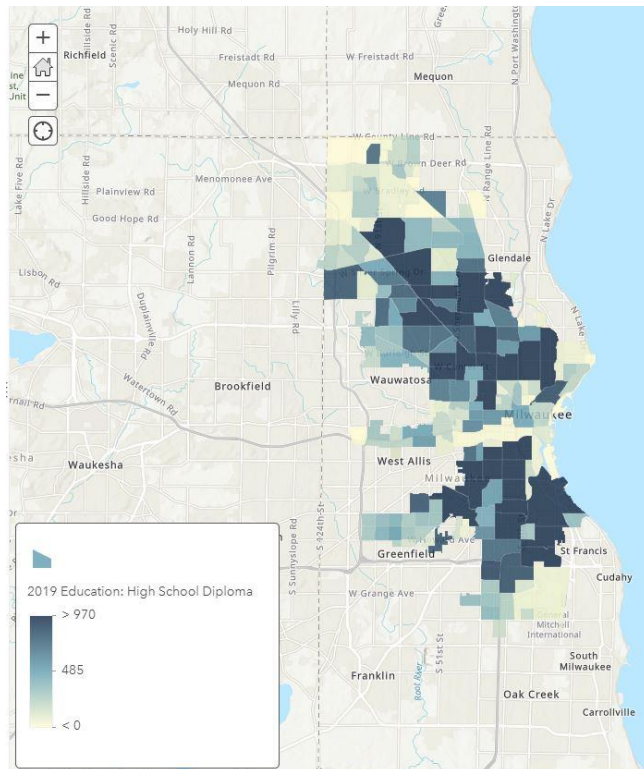


FOURSQUARE WAS USED TO FIND VENUES  
INSIDE THE NEIGHBORHOODS

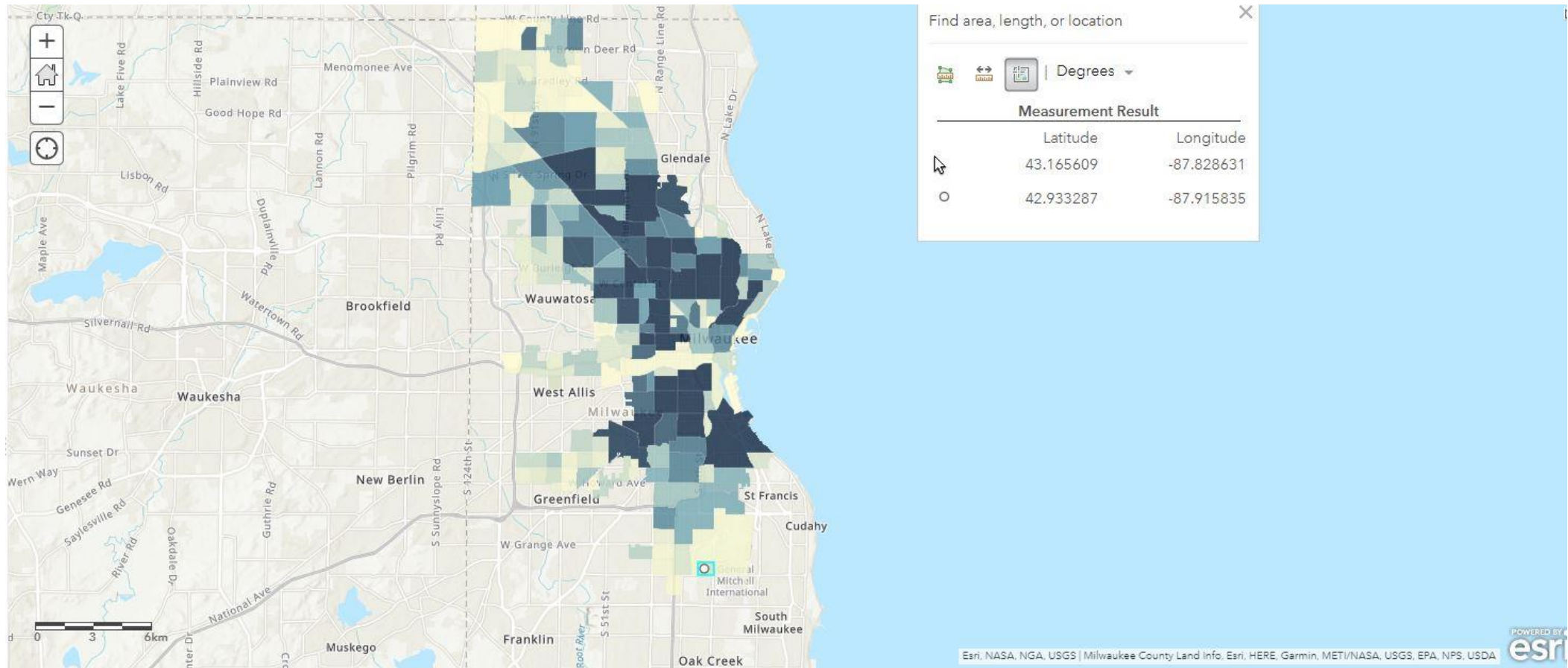


ARCGIS ONLINE LIVING ATLAS PROVIDED  
DEMOGRAPHIC DATA THROUGH THE  
AMERICAN COMMUNITY SURVEY

# ArcGis Map data



# Retrieving Latitude and Longitude

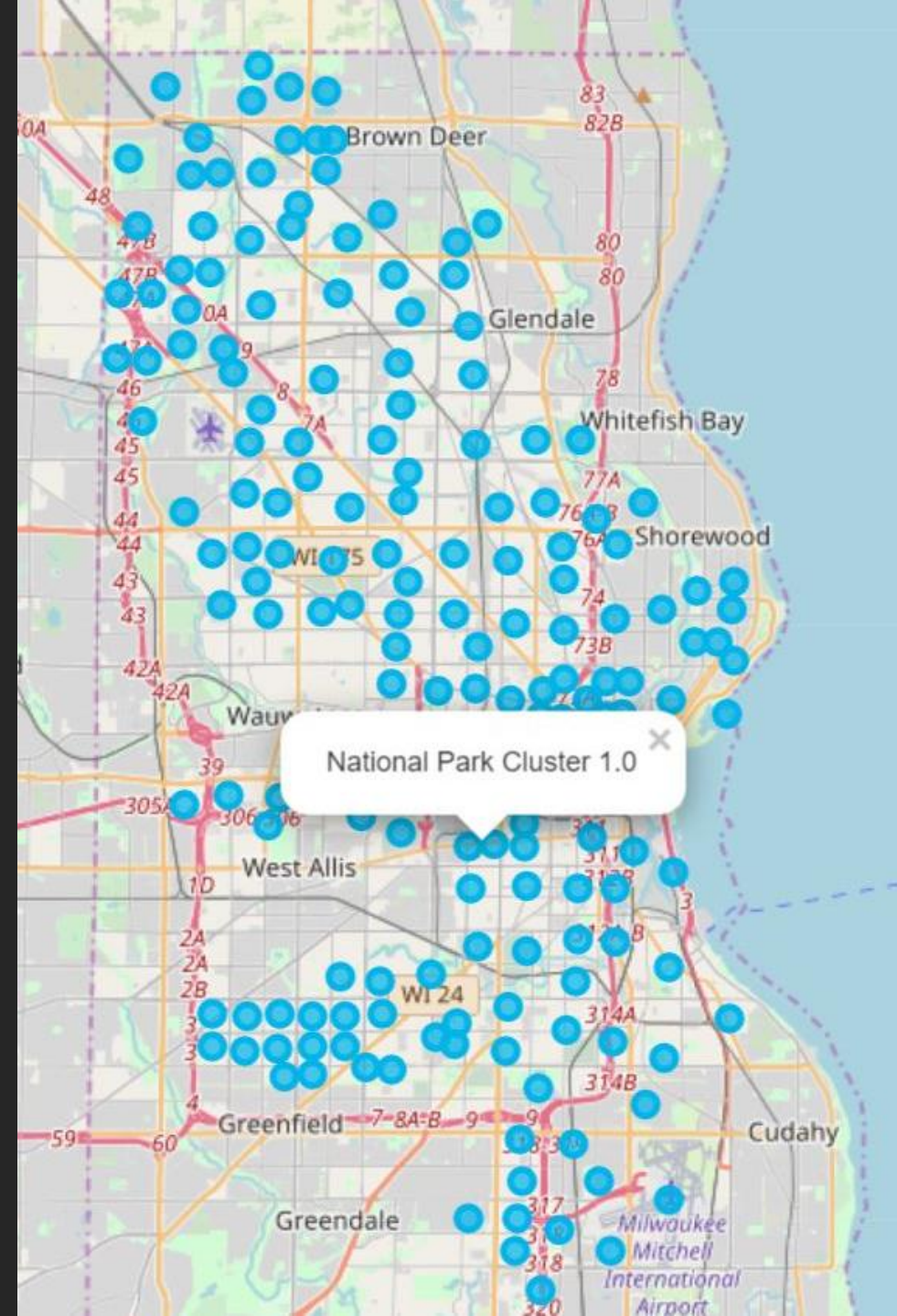




# Clustering

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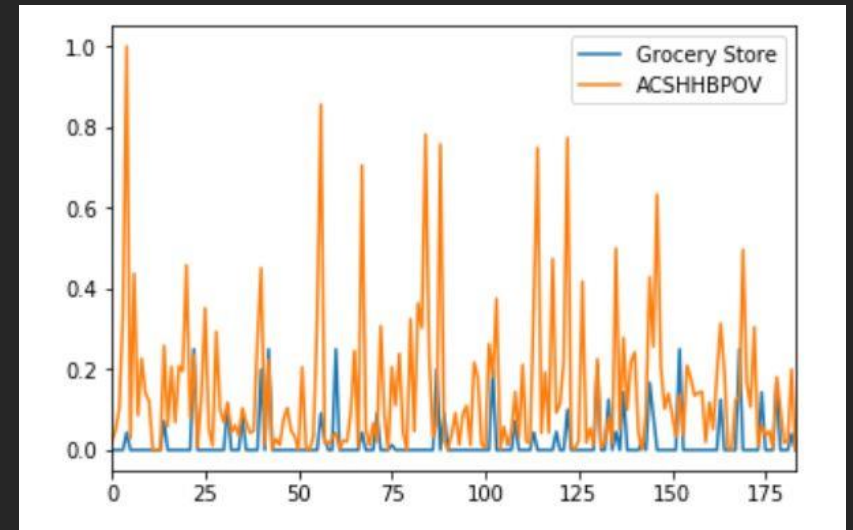
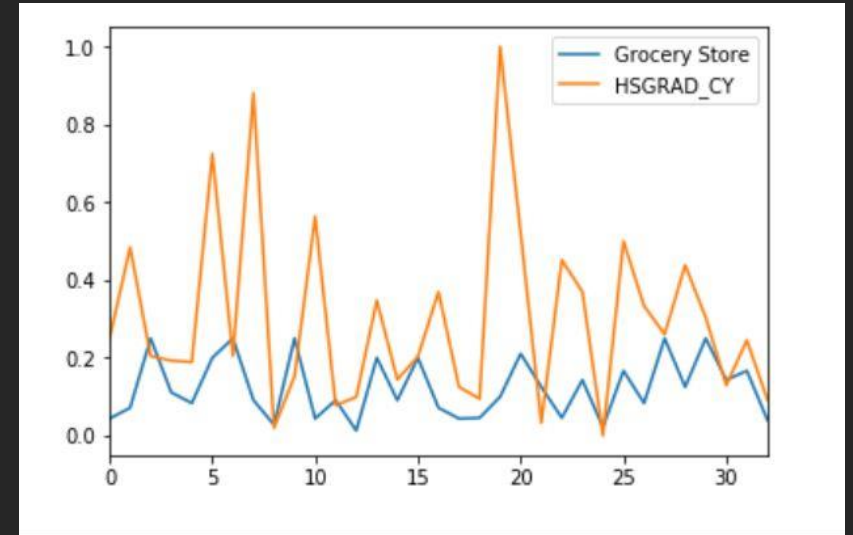
- Milwaukee was clustered into 5 different clusters
- Clusters were predominately split on bars, parks, playgrounds and restaurants.



# Results

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- Small correlation between Poverty Index and number of grocery stores
- Larger correlation between population without high school degree and lack of grocery stores.
- Regression models were used to determine the correlation



# Potential Dilemmas

- The latitudes and longitudes had to be manually entered by me
- Large amount of neighborhoods lead them to not cover very much area
- Most neighborhoods did not contain any grocery stores
- Lacking direct demographic information



# Conclusion and future directions



Found some correlation between poverty and lack of fresh food



Clustered Milwaukee neighborhoods based on venues



The work of locating food deserts is not done



Future work

Create better geospatial data  
Find a way to cover more area  
(Milwaukee neighborhoods  
being too small)  
Find better demographic data