Food Desert
Examining Grocery Equity
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Background
- Food Desert/Food Equity
  - Areas with low access to nutritious food
- Health
  - Obesity
  - Diabetes
  - Heart Disease
Census Data

- Census Data at the Block Group level
  - Source: Simply Map
  - Median household income
  - Age
    - Percentage 0-17 and over 85
  - Percentage households without vehicles
  - Percentage owner occupied household
  - Percentage renter occupied household

Food Source Data

- Source: Reference USA, via David Banis
  - Grocery stores
  - Convenience stores
  - Schools
At risk populations

Ages 0-17, 85 and over

Households without vehicle
Percentage owner and renter occupied
Food Sources

Grocery Stores weight = 3
Convenience Stores weight = 2
Schools weight = 1
Census Data

Median Income weight = 3
At risk weight = 2
Vehicle weight = 1

Food Source Slice

Converted values into quantiles to isolate areas with the highest values
Census Data Slice

Isolates the 75th percentile from the Slice operation

Food Source Test
Food Sources and Census Data

Results
Isolate the 50th percentile from food source slice operation

Less conservative result

Food Sources and Census Data
Results

Limitations

• Age of census data
• Food source data
Sources and Thanks
Simply Map - Census Data
Reference USA - Food Source Data
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