

## Midlife in the United States: Daily Stress Project, 2004-2009

### **Initial Data**

The datasets curated were pulled from the Economic Research Service published by the United States Department of Agriculture (USDA). This research observed food access, low-income neighborhoods, food deserts, and vehicle availability. The data was collected from the 210 Census of the Population. Data on income and vehicle availability are from the 2010-2014 American Community Survey. Lastly, two 2015 lists of supermarkets were combined to produce a list of stores that represent affordable, nutritious food.

### **Data Processing & Cleaning**

There was very little cleaning required for this dataset. There were no null values in this dataset, making it easy to handle. Minor changes were made to the data, such as clarifying variable names. After preparing the data for Tableau, a separate dataset was created to group the data by a specific state. This would allow for a more in-depth observation of the variables in any specific state. For this project, the data was grouped by South Dakota to allow for a better understanding of how food access, low income, and vehicle availability manifest in this state.

### **Data Use & Limitations**

The primary use of this dataset was to better understand how various factors are present in the United States. There are potential limitations as most of the data is pulled from a single time point, therefore, this data may not be representative of the present day. This data should not be generalized because of the singular time point. Future data should condense several different time points, as it would allow for the comparison of food accessibility across the years. This would allow for better interventions and initiatives to be put in place. Knowing which states continue to struggle with food deserts or food accessibility will allow for more directed action.

**Codebook:**

<b>Variable Name</b>	<b>Description</b>	<b>Original Names</b>
State		
County		
Population, tract total	Total number of individuals residing in a tract	Population, tract total
Housing units, total	Total number of housing units in the census tract	Housing units, tract total
Low access, population at 10 miles, share	Percentage of tract population living more than 10 miles from the nearest supermarket, supercenter, or large grocery store.	Low access, share of people at 10 miles
Low access, low-income population at 10 miles, share	Percentage of tract population that has low income and lives more than 10 miles from the nearest supermarket, supercenter, or large grocery stores. Low income is defined as annual family income at or below 200 percent of the Federal poverty threshold for family size.	Low income, low access, share of people at 10 miles
Low access, children age 0-17 at 10 miles, share	Percentage of tract population who are age 0-17 living more than 10 miles from the nearest supermarket, supercenter, or large grocery store.	Children, low access, share at 10 miles
Low access, seniors age 65+ at 10 miles, share	Percentage of tract population who are age 65 or older living more than 10 miles from the nearest supermarket, supercenter, or large grocery store.	Seniors, low access, share at 10 mile
Low access, White population at 10 miles, share	Percentage of tract population who are White living more than 10 miles from the nearest supermarket, supercenter, or large grocery store.	White, low access, share at 10 miles
Low access, Black or African American population at 10 miles, share	Percentage of tract population who are Black or African American living more than 10 miles from the nearest supermarket,	Black or African American, low access, share at 10 miles

	supercenter, or large grocery store.	
Low access, Asian population at 10 miles, share	Percentage of tract population who are Asian living more than 10 miles from the nearest supermarket, supercenter, or large grocery store.	Asian, low access, share at 10 miles
Low access, Native Hawaiian and Other Pacific Islander population at 10 miles, share	Percentage of tract population who are Native Hawaiian or Other Pacific Islander living more than 10 miles from the nearest supermarket, supercenter, or large grocery store.	Native Hawaiian and Other Pacific Islander, low access, share at 10 miles
Low access, American Indian and Alaska Native population at 10 miles, share	Percentage of tract population who are American Indian or Alaska Native living more than 10 miles from the nearest supermarket, supercenter, or large grocery store	American Indian and Alaska Native, low access, share at 10 miles
Low access, Other/Multiple race population at 10 miles, share	Percentage of tract population who are not included in the White, Black or African American, American Indian or Alaska Native, Asian, and Native Hawaiian or Other Pacific Islander race categories or who identify as more than one race living more than 10 miles from the nearest supermarket, supercenter, or large grocery store.	Other/multiple races, low access, share at 10 miles
Low access, Hispanic or Latino population at 10 miles, share	Percentage of tract population who are Hispanic or Latino living more than 10 miles from the nearest supermarket supercenter, or large grocery store	Hispanic or Latino, low access, share at 10 miles
Vehicle access, housing units without and low access at 10 miles, share	Percentage of housing units located more than 10 miles from the nearest supermarket, supercenter, or large grocery store without access to a vehicle.	No vehicle, low access, share of housing units at 10 miles