**Group Name: SNAP (Slack Channel: etl\_group)**

SNAP is the Supplemental Nutrition Assistance Program, commonly referred to as “Food Stamps.” SNAP is also called FNS (Food & Nutrition Services.) This program is funded by the federal government through a grant program and the federal government also approves and maintains the list of authorized venders (IE where you can spend your food stamps.) The states are responsible for checking the eligibility and authorizing the individuals and the amount to be credited to their food stamp card each month.

**The project:**

We will be downloading individual files and combining them all (after cleanup) into a SQL database with a table for each file.

**Dan Boulden:**

Retailer data for the entire US, including the following fields. (schema)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Type** | **Start** | **Length** | **Decimals** | **Field explanation** |
| Store\_Name | ASCII | 1 | 56 |  |  |
| Longitude | ASCII | 57 | 10 |  |  |
| Latitude | ASCII | 67 | 9 |  |  |
| Address | ASCII | 76 | 43 |  |  |
| Address\_Line\_\_2 | ASCII | 119 | 40 |  |  |
| City | ASCII | 159 | 26 |  |  |
| State | ASCII | 185 | 2 |  |  |
| Zip5 | ASCII | 187 | 5 |  |  |
| Zip4 | ASCII | 192 | 4 |  |  |
| County | ASCII | 196 | 21 |  |  |

This data shows the number of authorized retailers for each state, including the address and the geotag (geo coordinates) of each retailer. With this data we can break the retailer data down by state, county, zip code or even look at the distances between retailers using the geocodes.

The data is located at <https://www.fns.usda.gov/snap/retailerlocator> and was downloaded as a CSV file.

**Bing Zhang:**

Data: Food Access Research --several indicators to measure food access.

\*Low access to the grocery store, distance, vehicle availability, age, income etc.

The data is located at <https://data.world/usda/grocery-stores> and was downloaded as an XLSX file.

This data can be used to look for areas that are food desert, and when combined with the retailer from Dan’s data we can look for areas that are food stamp food desert, but have plenty of grocery stores.

Documentation on the table (schema) can be found at <https://www.ers.usda.gov/webdocs/DataFiles/80591/documentation.pdf?v=0>

Zhen Yang:

Data source: US Department of Agriculture - Food and Nutrition Service

National Level Data of participation and cost from 2016 to 2019

https://www.fns.usda.gov/pd/supplemental-nutrition-assistance-program-snap

Type of data wrangling: data cleaning, aggregation

Schema: Persons, Households, Benefits, and Average Monthly Benefit per Person & Household (edited)

**Linda Asiabaka:**

Data source: using <https://opendata.socrata.com/> Government US-Food-Stamps-By-State.

Data wrangling: cleaning data and possible join with different years

Data schema: State, Resident pop, Number of People in January 2008, % Total pop Jan 2008, Preliminary December 2008, % Total pop 2008, initial Jan 2009, % Tot Jan 2009, % Change Dec 08-Jan 09, % Change Jan 08- Jan 09

Working on data food stamp receipt. Would like to see the progression as it relates with how many people are accepted into food stamp and the number of people that leave the program.