Module 3 – Final Project Due Dec. 20, 2020

Data Wrangling in R, Fall 2020, Instructor Dave Brown

# Dataset

U.S. poverty and supplemental nutrition programs (WIC and SNAP). WIC provides funds for mothers with infants and children under 5. SNAP provides nutritional support for all persons meeting poverty requirements.

# 1. Assemble datatables for analysis (20 points)

From tables provided, assemble a table in R with the following information:

1. Poverty estimated by state, by year, 2013-16

* Total number
* % in poverty overall
* % in poverty, children 0-4

1. WIC by state, by year, 2013-16

* Number of WIC participants, by type (overall, women, children, infants)
* Food costs
* Food costs per participant
* admin costs

1. SNAP by state, by year, 2013-16

* Number of persons
* Total costs

(This data is not formatted for easy R import. You can organize first in Excel before importing.)

# 2. Examine relationships (10 points)

Examine your data visually, and comment on what you see. Detailed analyses are not required. While you may look at a number of relationships, be sure the address the following questions:

* Does poverty predict nutritional assistance? Which poverty metrics best predict which nutritional assistance metrics? Which states are outliers?
* How did poverty and nutritional assistance change from 2013 to 2016?