Homework 2: SDGB 7851

Instructor: Prof. Nagaraja

Due: 11/7

This assignment is worth 100 points. Submit (a) your R Markdown file; (b) the knitted Word file to Blackboard; and (c) **all data files.** The page limit is **6 pages**, not including references. Any content beyond the limit will not be graded. Remember to comment your code and to submit a professional-looking assignment.

Assignment: Write an article targeted to the general reader telling a story which combines results from two different surveys. Make sure your article incorporates the following: (a) description of data sources, including how and why the data was collected by the respective organizations; (b) measures of uncertainty; (c) visualizations; (d) limitations of your analysis; and (e) references. <u>Notes:</u> Do not repeat analyses I've done in class. Also, the surveys themselves are references. Finally, cite your references when you refer to them within your paper, in addition to including the full reference information in your bibliography.

Source 1: A survey from Pew Research Center containing survey weights.

- `https://www.pewresearch.org/`

- In order to download data, you need to register: <u>link</u>

- The data is in SPSS format, so you will need the R package *foreign* to upload it.

Source 2: Either the American Community Survey (U.S. Census Bureau) or the American Time Use Survey (U.S. Bureau of Labor Statistics)

- American Community Survey

  - description: `https://www.census.gov/programs-surveys/acs`
  - data: `https://factfinder.census.gov`

- American Time Use Survey

  - description: `https://www.bls.gov/tus/`
  - data (use files from database not microdata files): `https://www.bls.gov/tus/#database`