

Implementation

1. How to set up environment:
 - a. Download all data processing and visual generation notebook files and data files.
 - b. Ensure that files are loaded appropriately for Google Colab (ie. Drive is mounted, files are uploaded, or filepath is specified, etc.)
 - c. Click Kernel > Restart and run all for all notebook files in the following order: 1) NSDUH_data_loaded.ipynb, Data_cleaning_final.ipynb, ImplementationFinal.ipynb. Wait until each notebook is finished running before starting the next.
 - i. Data Processing
 1. Notebook Files:
 - a. NSDUH_data_loaded.ipynb
 - b. Data_cleaning_final.ipynb
 2. Data File Input:
 - a. NSDUH_2002_2019.dta
 - b. Map_data.csv
 - c. Per.csv
 - ii. Visual Generation
 1. Data Files: generated from data processing
 2. Notebook File: ImplementationFinal.ipynb
2. Target User - Health Insurance Specialist at the Center for Medicare and Medicaid looking to implement new policies to help with distribution of resources and education on mental health.
3. Goals and Requirements of Target User
 - a. Compare/juxtapose the out of pocket costs for mental health related services in various demographics
 - b. Discover trends in cost, utilization, and treatment needs
 - c. Identify target demographic populations that need the most assistance