

QBS181_ProjectAim1.pdf

Format: PDF (knitted from R Markdown, .rmd file also provided)

Purpose:

- Merges the following data:
 - National Plan and Provider Enumeration System (NPPES)
 - Center for Medicare & Medicaid Services (CMS) Physician Compare National
 - Parkinson's disease mortality rates
 - US adult population data
 - Medicare monthly enrollment file (for Medicare beneficiary population data)
 - Social Deprivation Index (SDI)
 - Rural-Urban Continuum Codes (RUCA) codes
- Conduct data analysis for Aim 1 of the project.

Output:

- Statistical testing results (correlation plot)
- Maps displaying metrics pertaining to Aim 1

Ag_Data_Clean_Final.xlsx

Format: Excel

Purpose:

- To clean, preprocess, and perform calculations on the 2022 USDA raw data.
- Organize the data into a final, cleaned sheet with all relevant variables for further analysis.
- Prepare the data for merging with CDC mortality rate data.

Output:

- A series of exploratory data analysis plots and maps.
- A cleaned data sheet, ready for merging with the CDC mortality rate data frame.

QBS-181-Final-Project-Aim-2--Say-OK_Final.pdf

Format: PDF (knitted from R Markdown, .rmd file also provided)

Purpose:

- To merge the pre-processed 2022 USDA data with the CDC mortality rate data frame.
- Conduct data analysis for Aim 2 of the project.

Output:

- A series of visualizations (plots) and summary tables.
- Statistical testing results.
- Regression models.