**Project Title:**

Opioid utilization and prescription trends

**Team Members:**

* Mary
* Billy
* Kameron
* **Sandra**

**Project Description/Outline:**

* Health:
  + Opioid usage
* Analysis of opioid prescribing data, substance abuse national survey data, & population data

**Research Questions to Answer:**

* Is there an association between opioid prescribing rates and opioid use disorder?

**Datasets to Be Used:**

* [Medicare Provider Data - Opioid Map](https://www.cms.gov/Research-Statistics-Data-and-Systems/Statistics-Trends-and-Reports/Medicare-Provider-Charge-Data/OpioidMap)
  + [CMS State Drug Utilization Data](https://www.medicaid.gov/medicaid/prescription-drugs/state-drug-utilization-data/index.html)
* [2018-2019 National Survey on Drug Use and Health: Model-Based Prevalence Estimates (50 States and the District of Columbia)](https://www.samhsa.gov/data/report/2018-2019-nsduh-state-prevalence-estimates)
* [American Community Survey - Demographic and Housing Estimates](https://data.census.gov/table?q=DP05)

**Rough Breakdown of Tasks:**

* Look for opioid use disorder trends among different populations related to opioid prescribing rates
  + Utilize API available with mapping tool
  + Merge & clean data
  + Analyze data
  + Create images & graphs

**Notes:**

* EDA: Exploratory Data Analysis