**Group 7 - Project Outline**

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**Dataset:**

For our project we will be focusing on a dataset found through Krackle named “SuicideRatesOverview1985to2016.csv”. This dataset consists of 27,821 records involving reported suicides throughout the world between 1985 and 2016.Using this dataset we aim to explain any relationships or correlations between suicide rates and various socio-economic factors.

**Variables of Interest:**

* Country: Country in which a suicide has taken place.
* Year: Year in which a suicide occurred.
* Sex: Gender of the victim of suicide.
* Age: Age of the victim of suicide.
* Suicides\_no: Number of suicides for a given country, year, sex, and age.
* Population: Population in a given country during a given year.
* Suicides/100k pop: Number of suicides when population is scaled to 100,000.
* Gdp\_per\_capita: GDP per capita for a given country during a given year.
* Generation: The generational group (Boomer, Gen X, etc.) of the suicide victim.

**Questions we would like to answer:**

* How have the rates in suicide changed from prior to the year 2000, and after the year 2000?
* Based on suicides per 100,000 population, what are the countries with the highest suicide rates?
* What effects does GDP per capita have on the rate of suicide in a given country?
* Is there a common age in which suicide occurs worldwide?
* Between genders, which is gender is more susceptible to becoming a victim of suicide?
* What years have seen the highest rates of suicide worldwide?
* Which generation do most suicide victims belong to?
* What is the change of suicide rates between generational groups?

**Methods:**

As a group we will provide an analysis utilizing logical regression in order to answer our general questions about suicide trends since 1985. We will also provide additional plots to visualize and explain trends in suicide rates throughout the world.