



HULT  
INTERNATIONAL  
BUSINESS SCHOOL

# **EXECUTIVE PRESENTATION**

## **SUICIDE RATES**

Sumaio Abdullahi Rage  
Student ID: 36213459

# CONTENT

**01**

About & Data  
overview

**02**

Hypothesis

**03**

Exploratory  
Data Analysis  
(EDA)

# ABOUT & DATA OVERVIEW



Suicide is a complex and sensitive issue that affects individuals and communities worldwide. Understanding the factors influencing suicide rates is crucial.



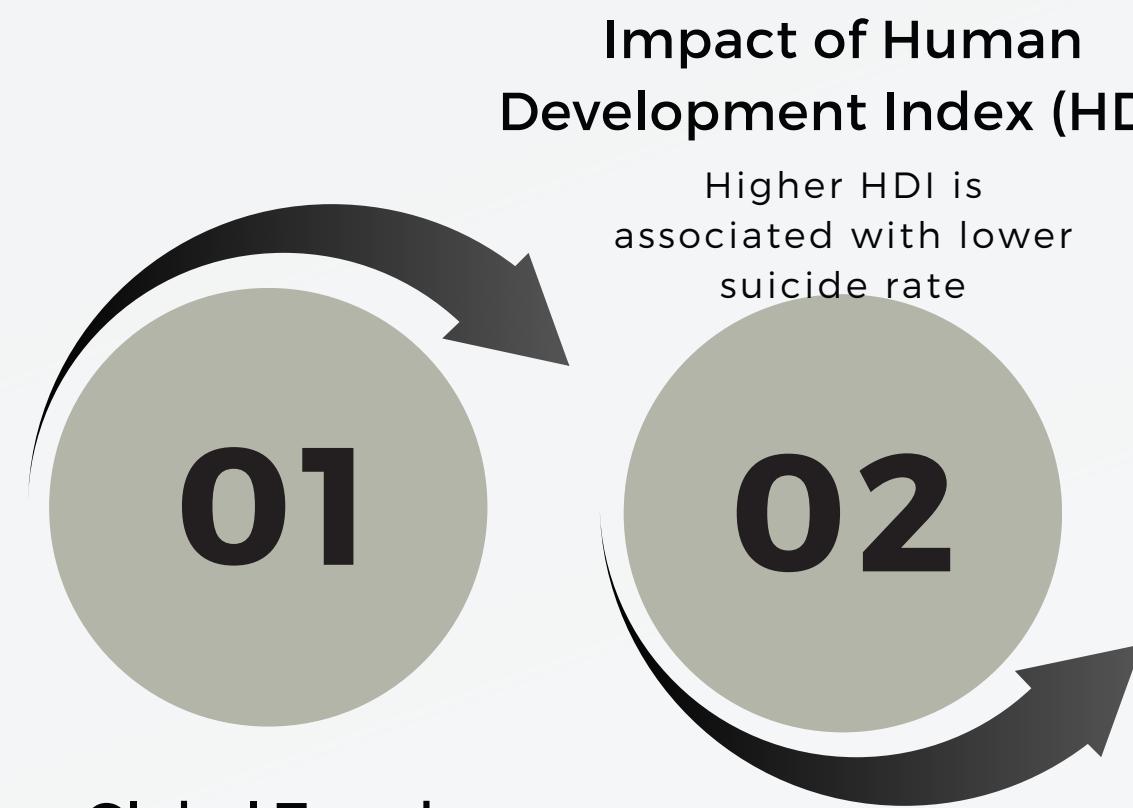
**Objective:** to analyze and understand the factors influencing suicide rates across different countries. This includes exploring the relationship between suicide rates and various socio-economic indicators such as Human Development Index (HDI), GDP, and other demographic factors



The dataset is about an **overview of suicide rates between 1985 and 2021** with a total of **12 columns** and **31756 rows**.

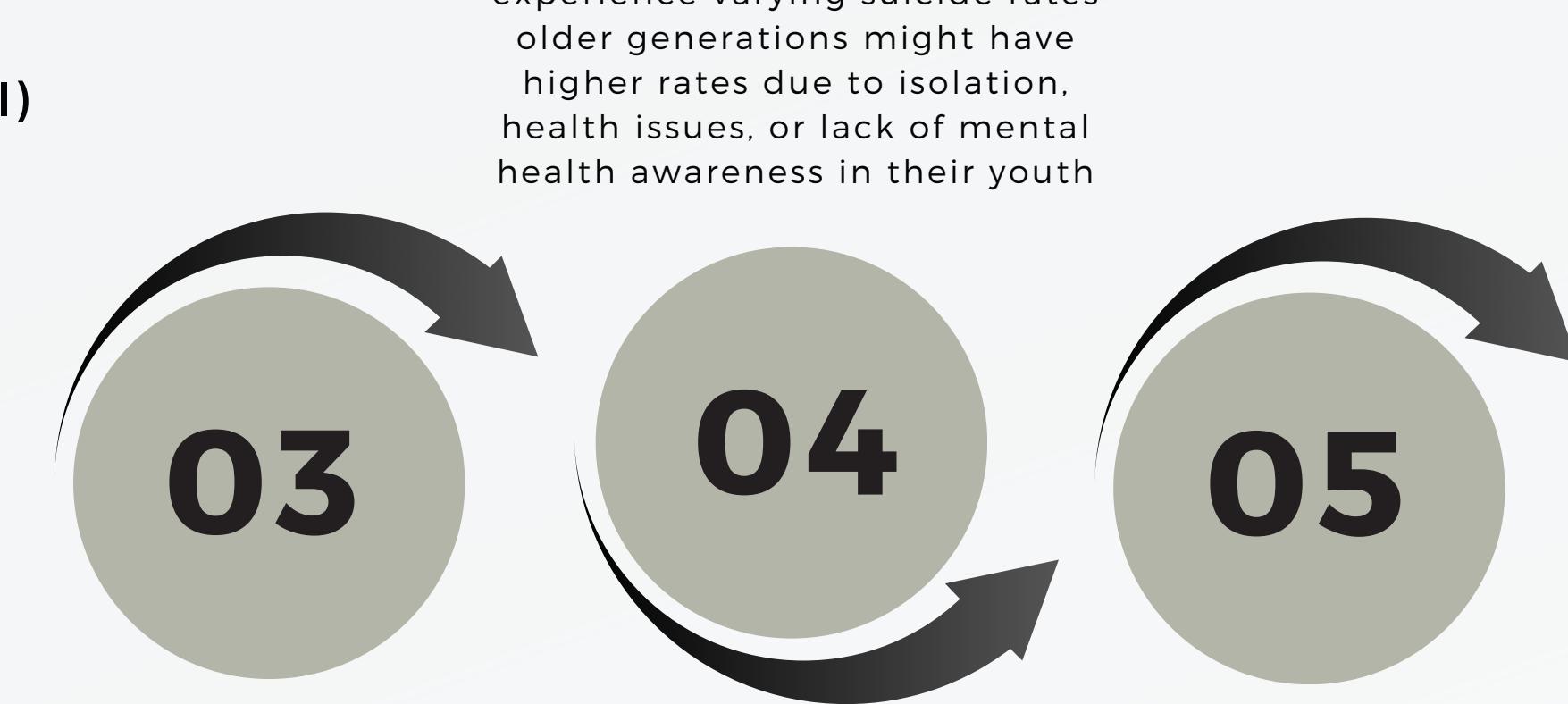


# HYPOTHESIS



## Global Trends Over Time

There is an overall trend in suicide rates over the years.



## Age Group Patterns

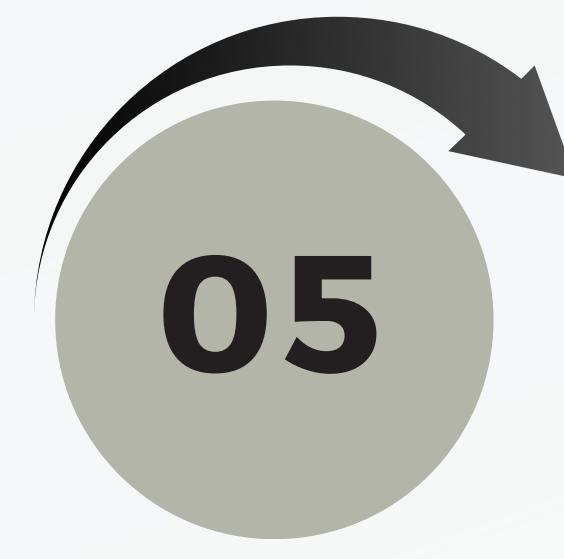
Certain age groups may have higher suicide rates, I decided to compare the suicide rates across different age groups

## Generational Influence

Different generations may experience varying suicide rates older generations might have higher rates due to isolation, health issues, or lack of mental health awareness in their youth



04



05

## Gender Disparity

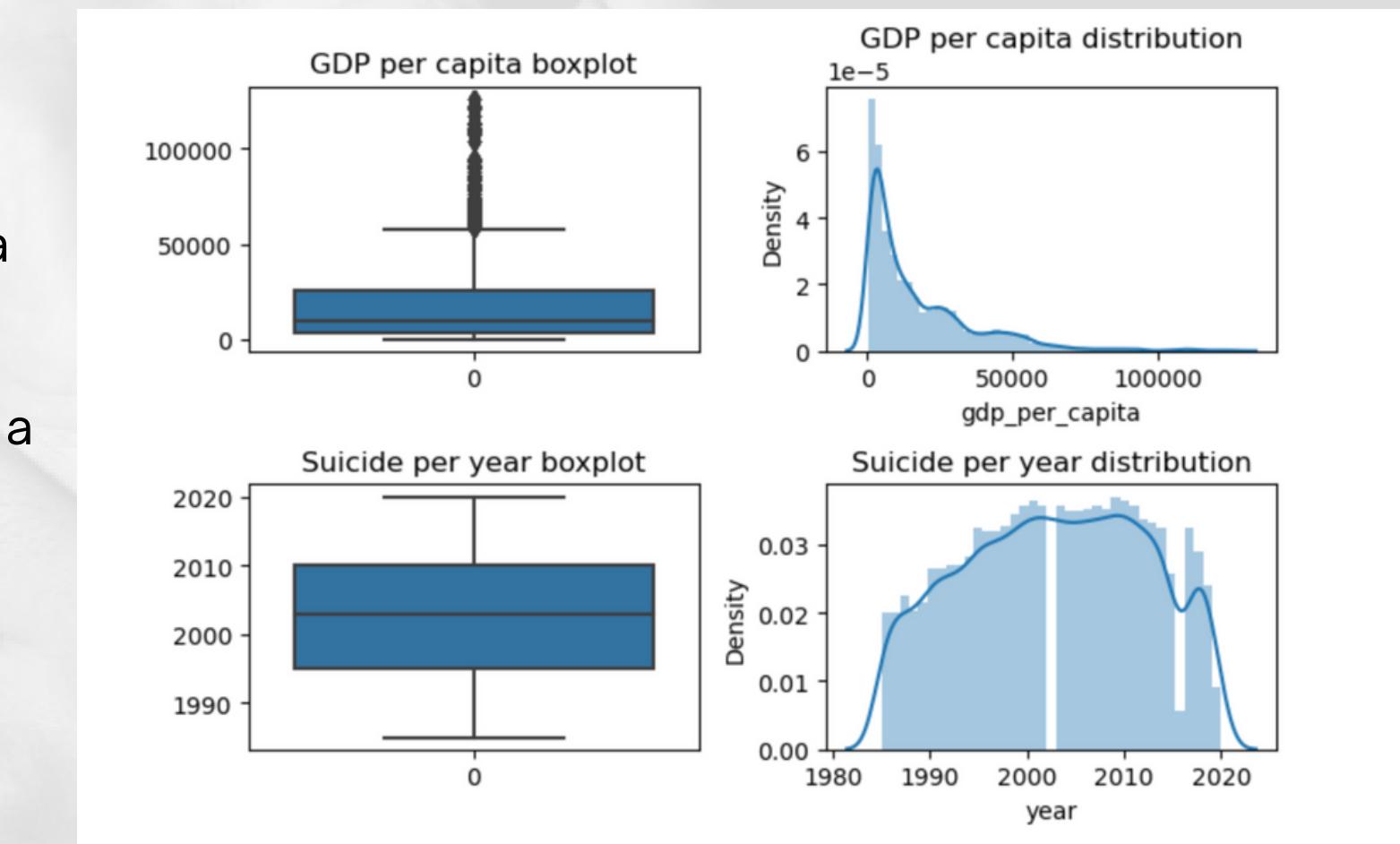
There is a significant difference in suicide rates between males and females



06

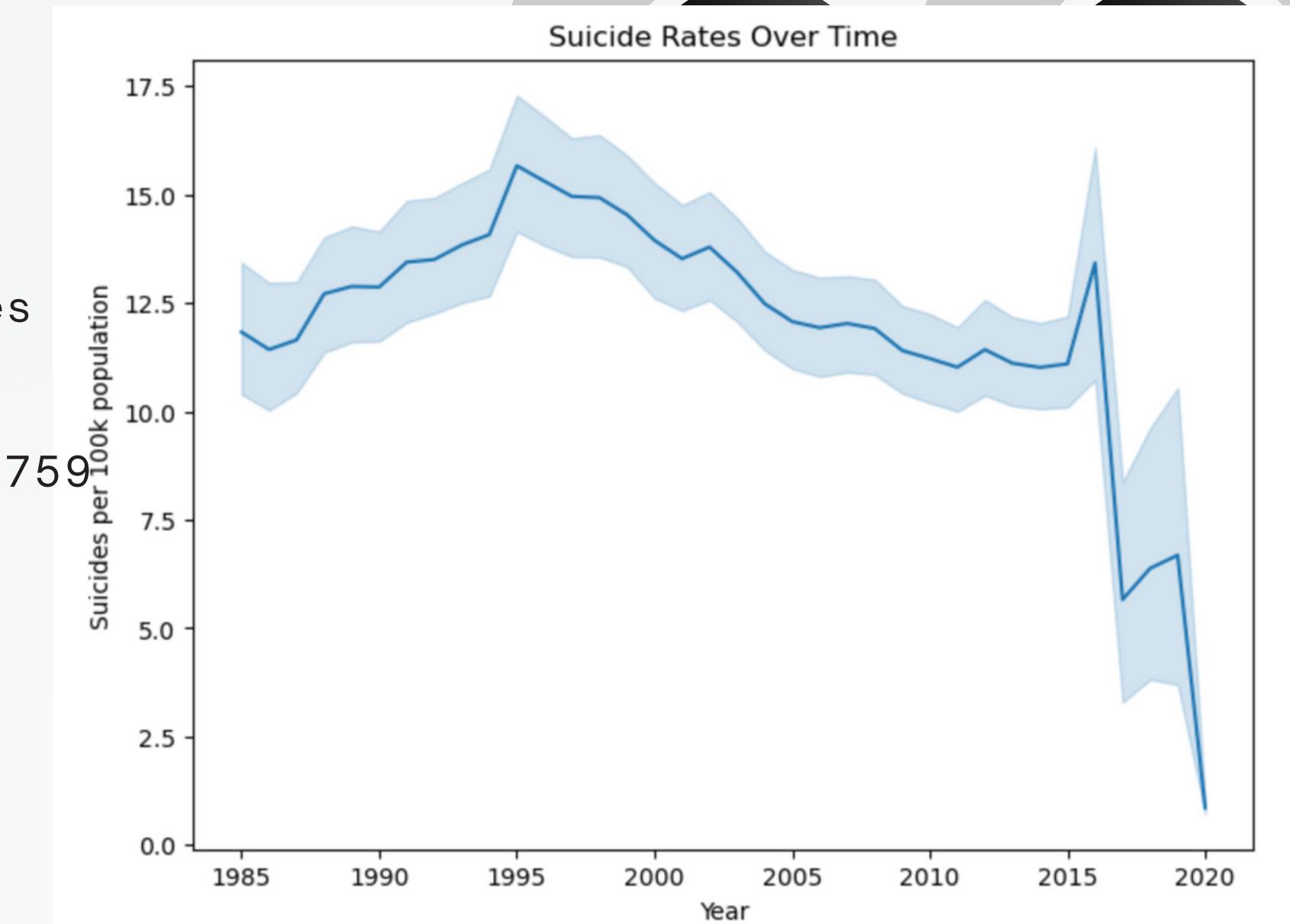
# EXPLORATORY DATA ANALYSIS (EDA):

- Individuals earning below \$25,000 USD exhibit a higher risk of suicide.
- A rise in suicides from 1980 to 2010, followed by a decline from 2010 to 2021.



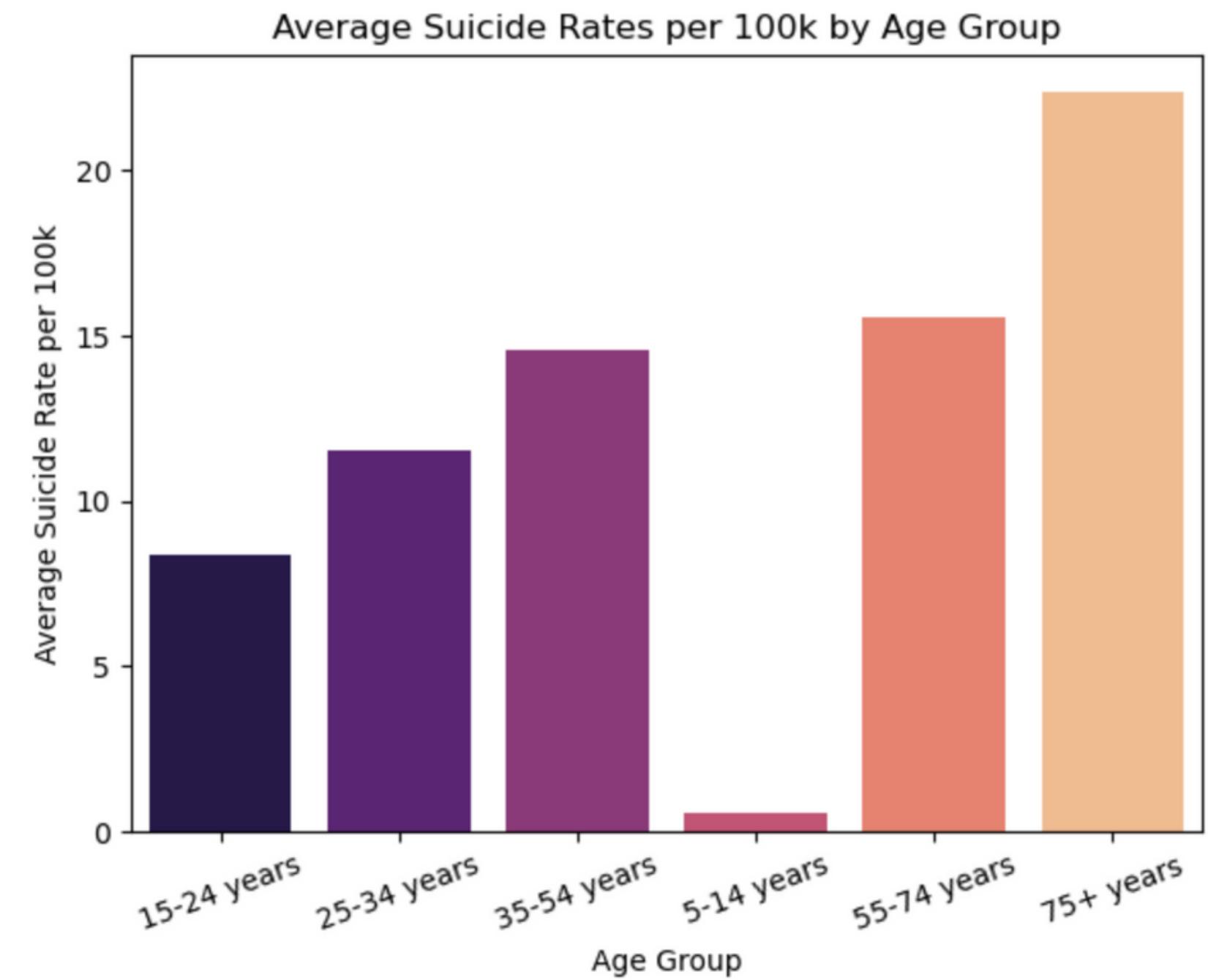
# GLOBAL TRENDS OVER TIME

- The line plot fluctuations and potential trends in suicide rates over the years.
- On average, the suicide rate decreases by approximately 0.1759 per 100k population for each passing year.



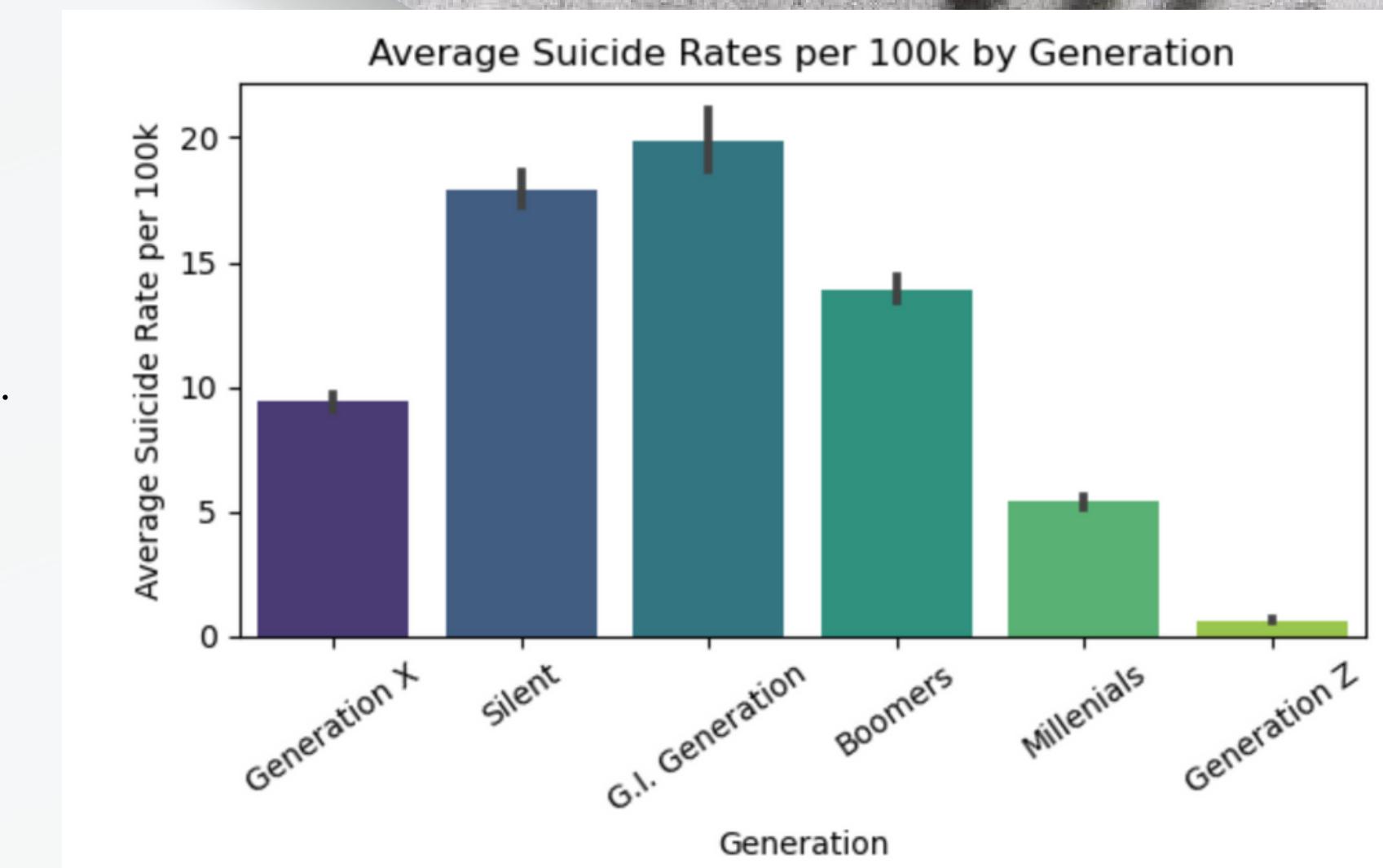
# AGE GROUPS

- It is evident that the suicide rate increases with age, with the highest rates observed in the '75+ years' age group.
- The older age groups tend to have higher suicide rates, which could support the hypothesis that factors such as social pressures, mental health issues, and economic conditions may influence these rates.

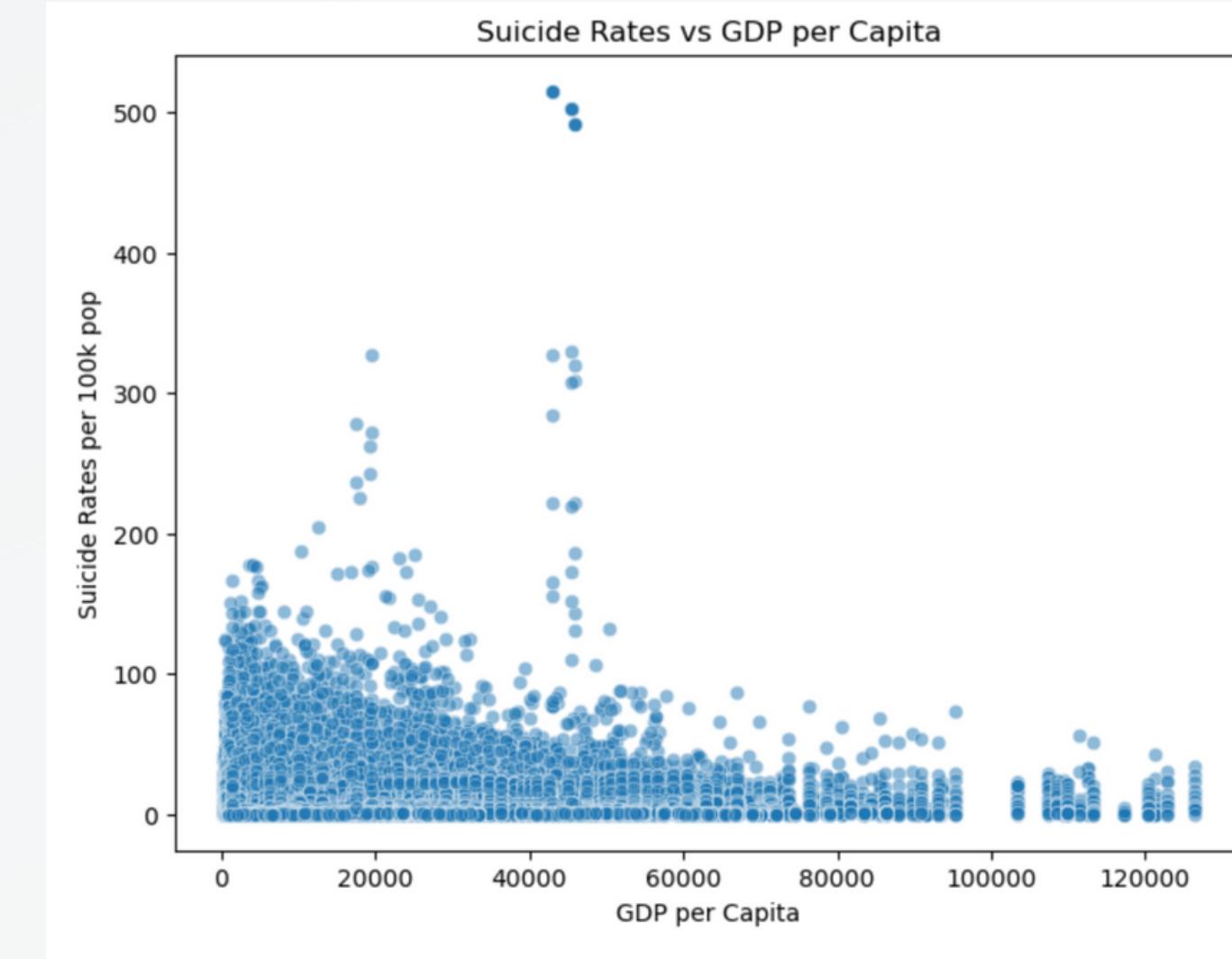


# GENERATIONS

- Those who were born between 1900 and 1927 are known as the G.I. Generation.
- The G.I. Generation appears to have the highest suicide rate.
- The Boomers and Silent Generation follow, followed by Generation X. Consequently, we observe that the risk of suicide is higher among older adults.



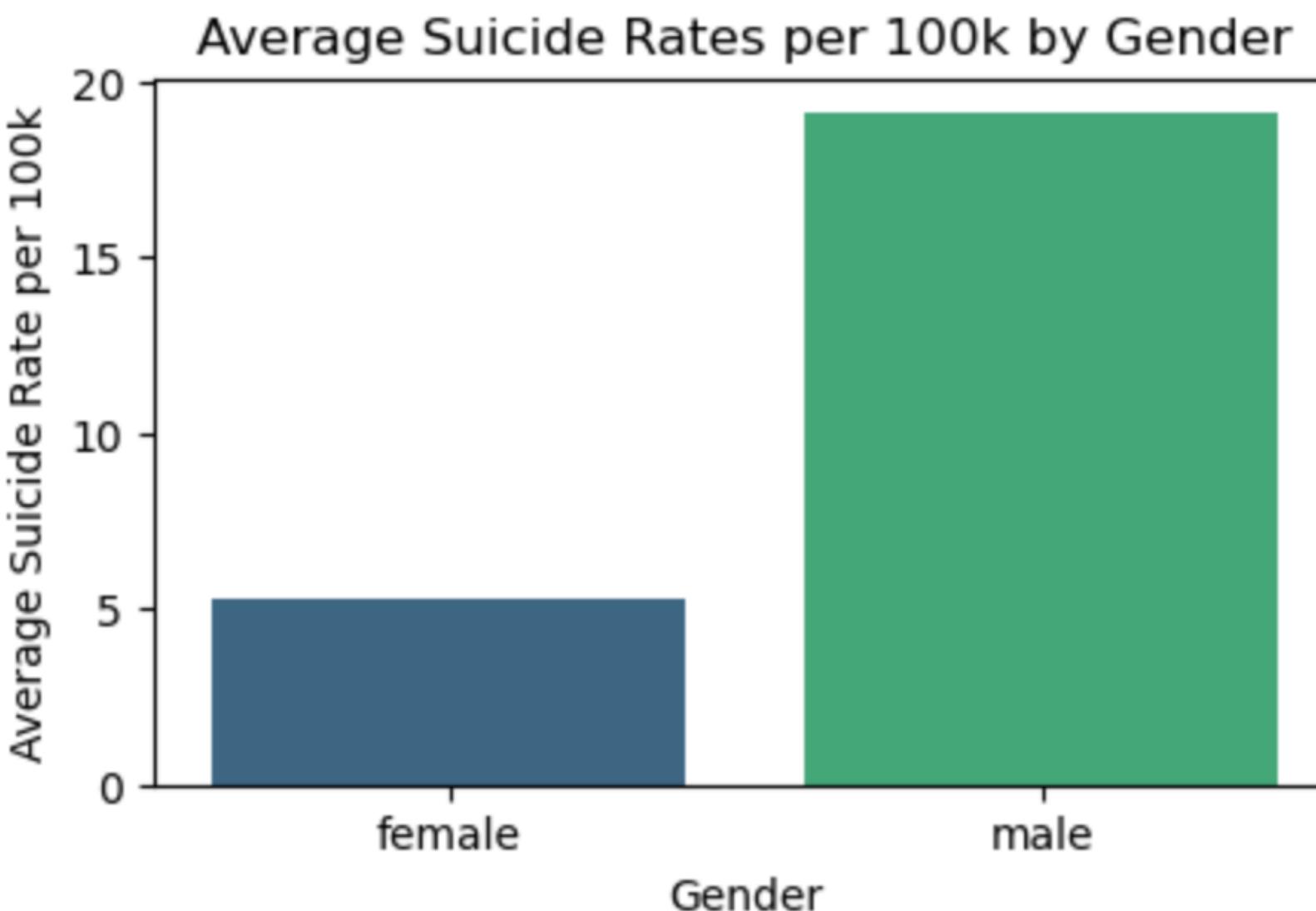
# ECONOMIC FACTORS



- From the scatter plot, it's evident that there is no clear linear relationship between GDP per capita and suicide rates. The points are scattered without a clear pattern,

# GENDER DISPARITY

- The mean suicide rates per 100k population are significantly different between genders,
- with males having a higher mean suicide rate compared to females.
- This indicates that gender plays a significant role in the prevalence of suicide



# FACTORS TO CONSIDER

- It's important to consider other socio-economic and mental health factors that may contribute to suicide rates.
- Further analysis should explore additional variables such as mental health support, social welfare programs, and cultural factors to gain a more comprehensive understanding of the determinants of suicide rates.





HULT  
INTERNATIONAL  
BUSINESS SCHOOL

