

# Suicide Rate Analysis Across The Globe From 1990 to 2017

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## INTRODUCTION

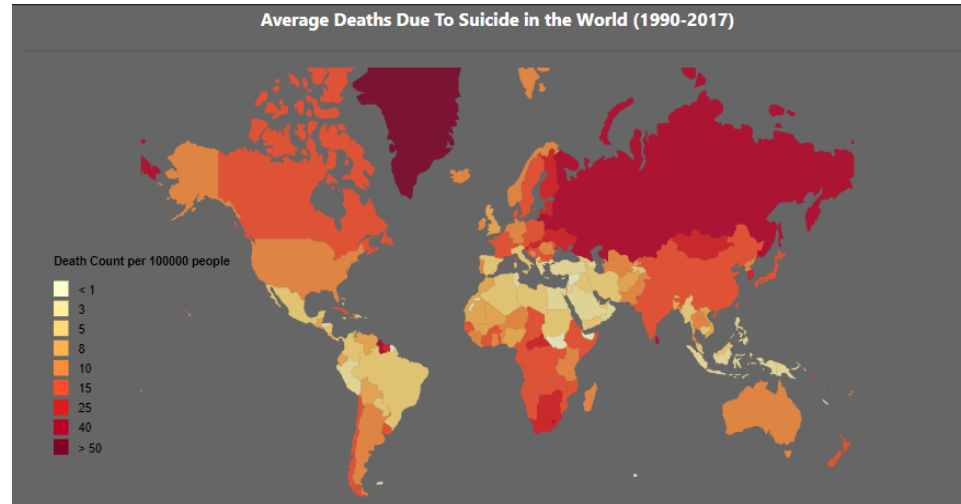
The WHO estimates that almost **800,000** people die from suicide every year. That's one person every 40 seconds. While recent rates show a decreasing trend for many nations, still it is an alarming issue among people. With the recent pandemic and other societal pressures, this dashboard can provide needful insights to help identify groups that are more prone to such extreme steps, and adequate care/resources can be provided to help save precious lives.

## VISUALIZATIONS

The primary goal of this dashboard is to analyze patterns for suicide rates based on different age groups, gender, and geographic locations. Following visualizations are used:

- Standard Visualizations:
  - Stacked Area Chart (Suicide Prevalence By Age Group)
  - Line Chart (Comparison of M-F suicide rates over the years)
  - Scatter Chart (Suicide Prevalence By Gender)
- Non-Standard Visualizations:
  - Choropleth Map (Suicide Prevalence By Geographic location)
  - Parallel Coordinates Plot (Potential Factors Causing Suicides)

## WORLD MAP DEPICTING SUICIDE RATES

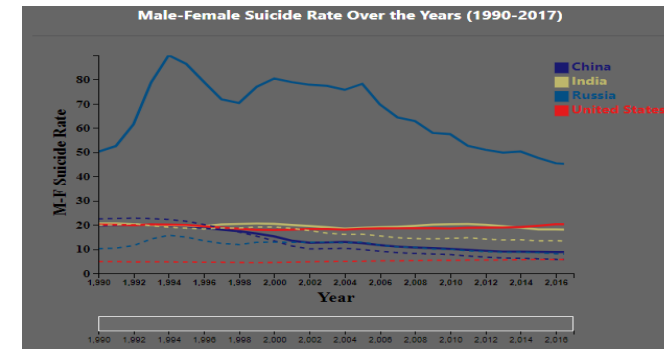


## INTERACTIONS

- Focus & Context
- Reordering PCP Axes
- Brushing & Linking
- Hovering
- Filtering

## ANALYTICS AND INFERENCES

- **Greenland, Guyana, Lesotho, Russia, Ukraine, and Lithuania** are the most affected nations with respect to suicide rates.
- Globally, the suicide rate for **men is twice as high as for women**. In countries with lower populations, this ratio is even higher.
- **People aged 50+** are highly likely to commit suicide due to loneliness, marriage issues, or economical reasons.
- Different political and economic factors contribute to Suicidal traits among people.



- In the **United States**, depression has been one of the major causes of suicide. People are **2 times more prone** to Suicidal Deaths than **violence and homicide**.
- **Russia** witnessed the **highest** suicide rates from **1990 to 1995** due to the dissolution of the Soviet Union, the Chechen War, and dropping incomes. It has seen a decreasing trend since then.
- **China** has been a leading country to curb suicide rates and has experienced the **highest fall** during these years.
- **India** saw a decrease in suicide rates but has an alarmingly **high number of youths** committing suicide.

