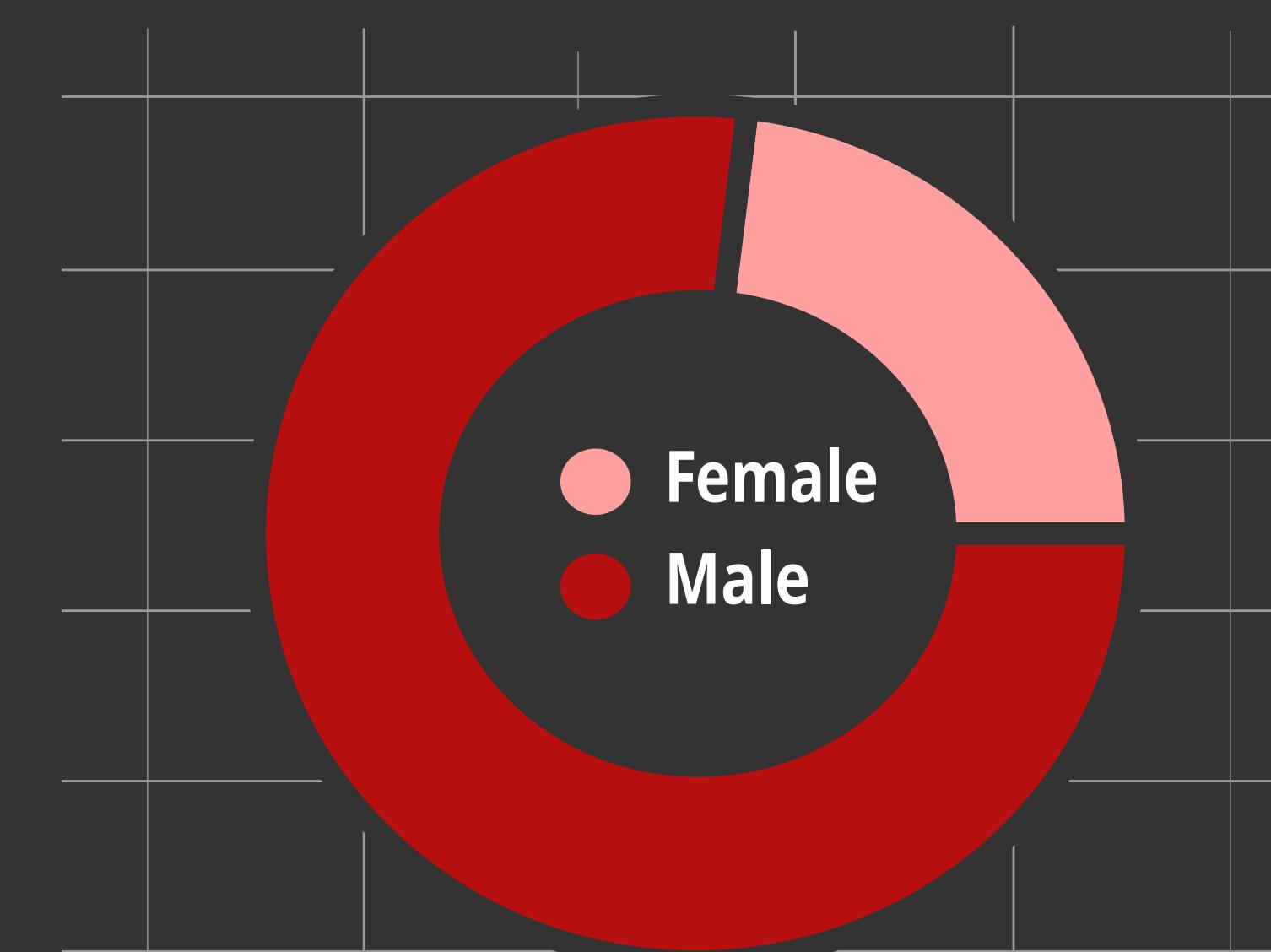


SUICIDE RATES AROUND THE WORLD BETWEEN 1985 TO 2016

DATA STORY

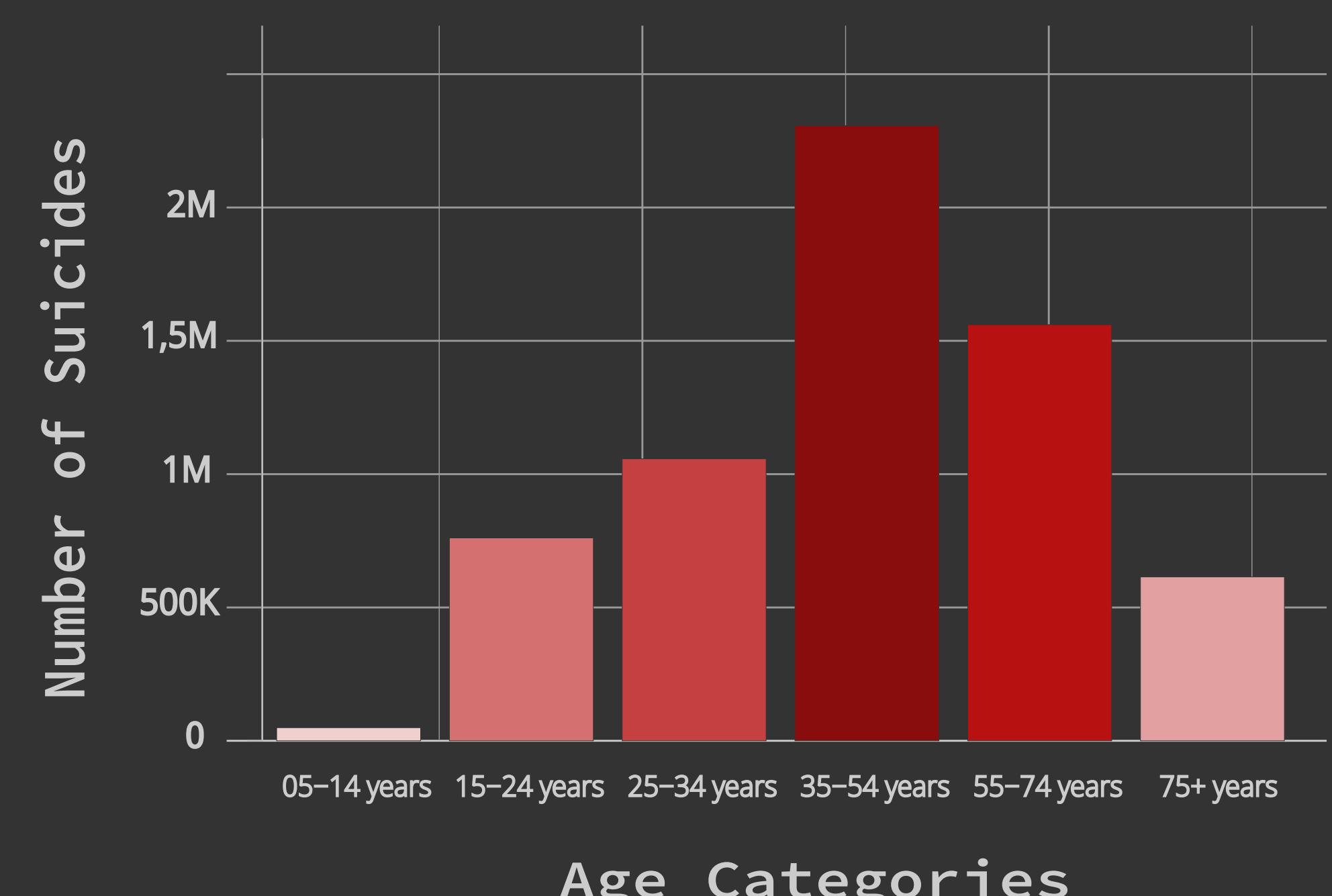
Every year, almost **250K people** are committed suicide around the world. This unfortunate yet important issue could be solved if the underlying reasons are understood better. There might be several reasons behind one's decision to commit suicide. In this report, I aimed to demonstrate possible macro-level reasons which increase the risk of suicide.

OVERVIEW



Males are at risk of committing suicide more than females.

People at the age between 35 and 54 are more likely to commit suicide than the other age groups.



MOTIVATION

If the aim is to find effective solutions to prevent people from committing suicide, it is important to understand macro-level risk factors such as economical or political factors as much as individual risk factors. Therefore, I believe that health care professionals would benefit much from this report examining the effects of economy on suicide rate to broaden their understanding about suicide.

DATA DESCRIPTION

The original data file consists of 12 columns including country, country population, gross domestic product for year and per capita. In addition, suicides rates are categorized in the data by sex, age, and generation for each year. The data file has 27,820 rows in total.



101 Country



1985-2016



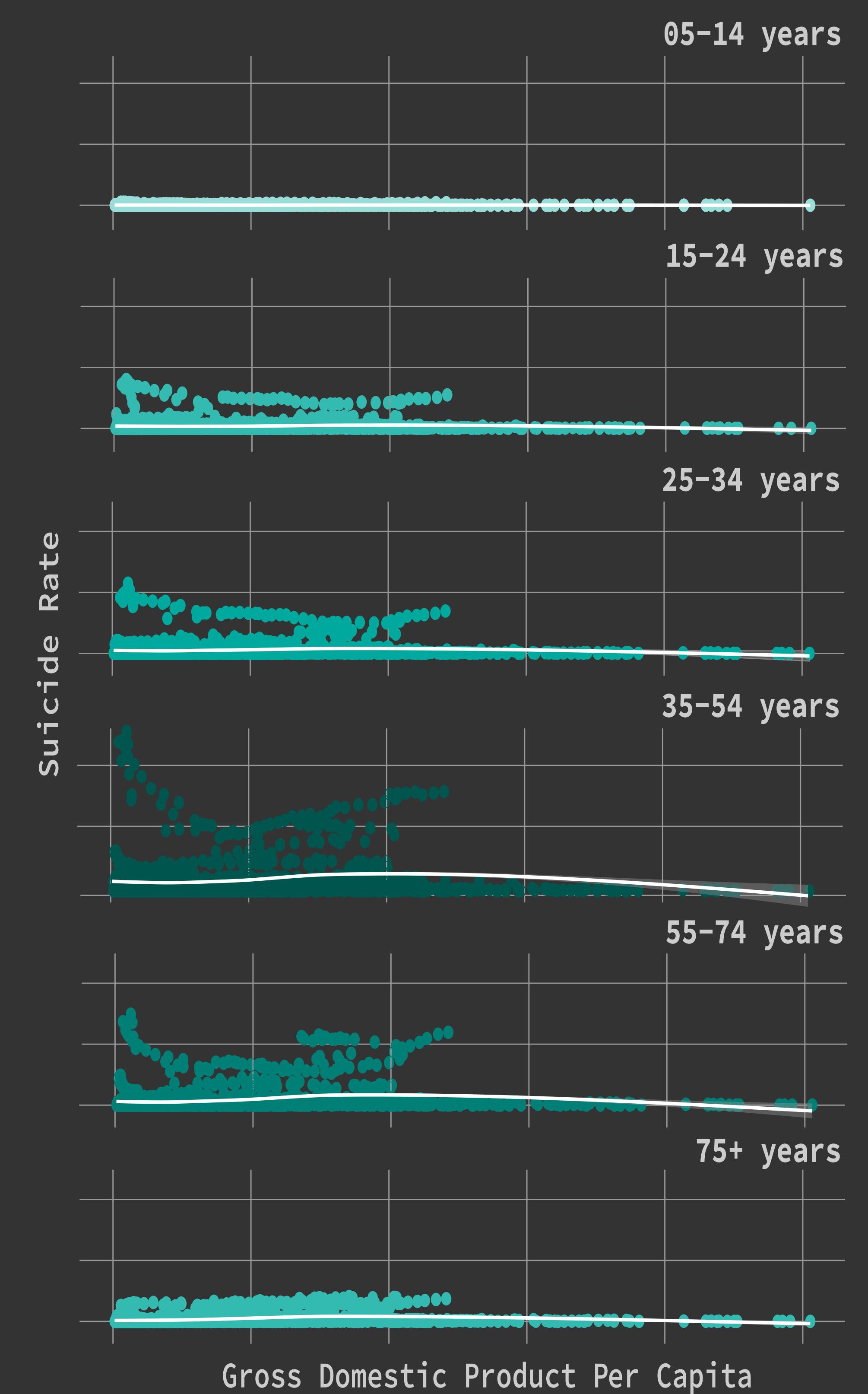
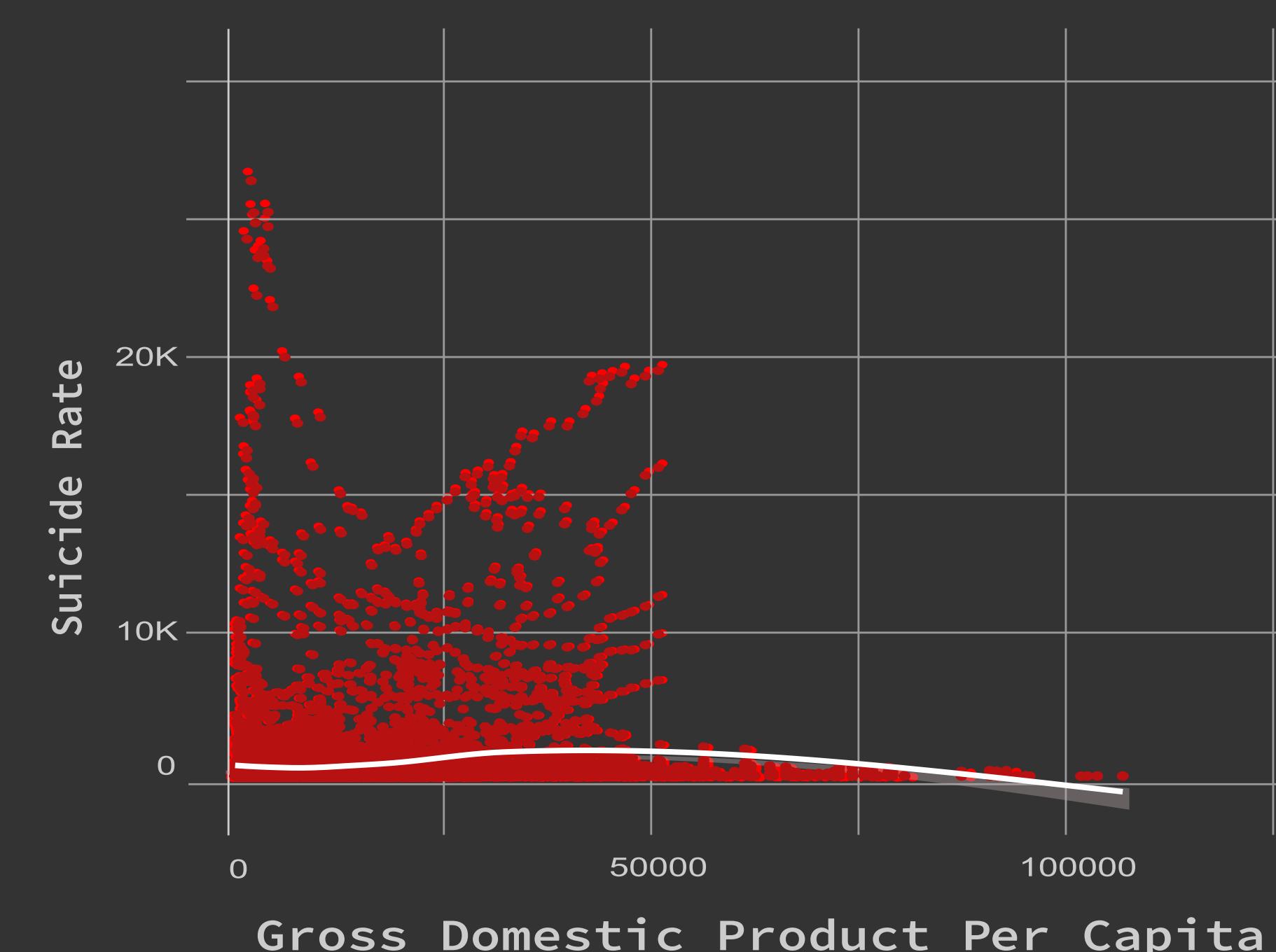
6 Generations

SOURCE: kaggle: Suicide Rates Overview 1985 to 2016
<https://www.kaggle.com/russellyates88/suicide-rates-overview-1985-to-2016>

R PACKAGES: ggplot2

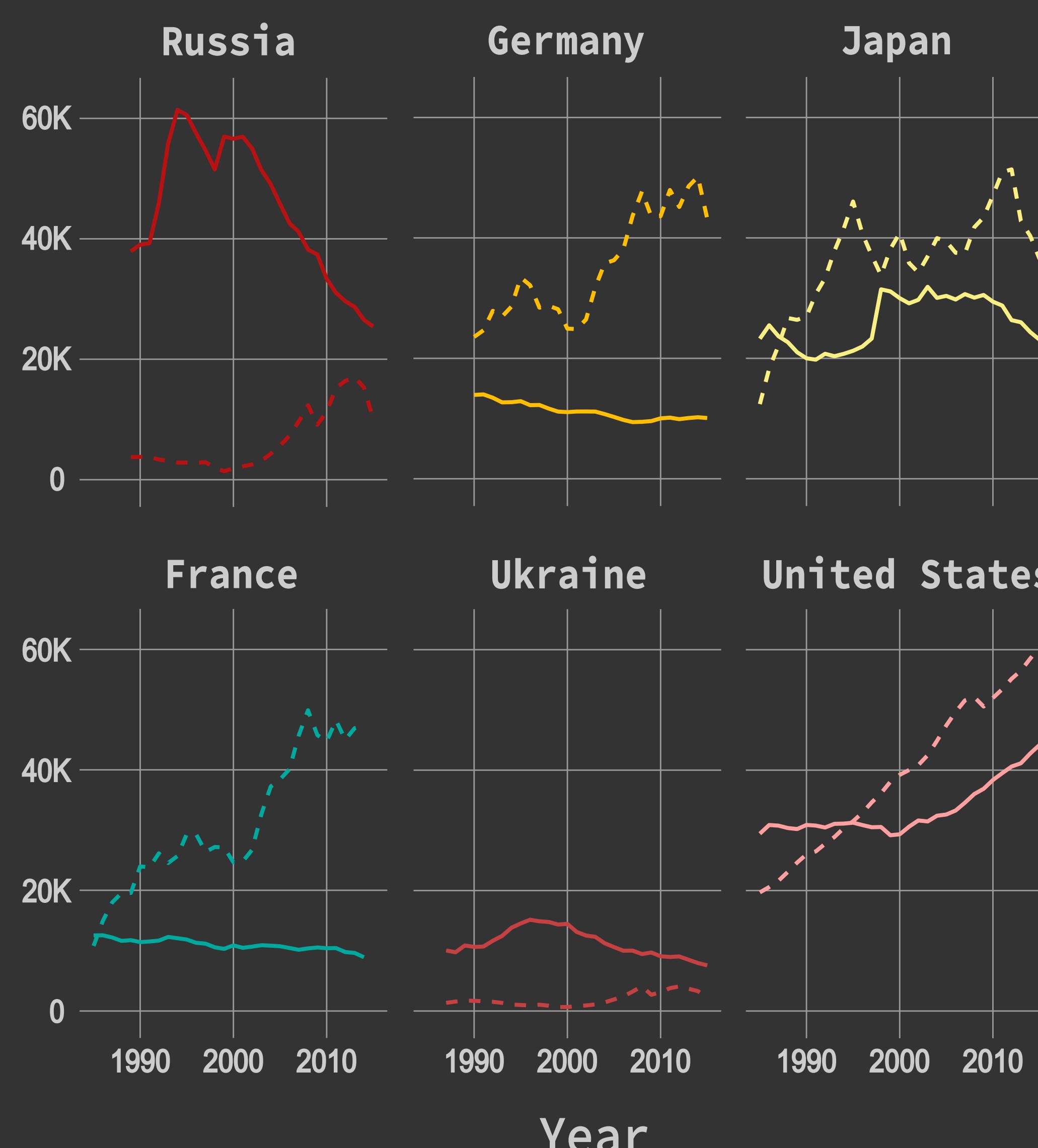
AS A FUNCTION OF GDP PER CAPITA

As GDP per capita increases, suicide rate decreases. However, this relationship is NOT very strong and only valid for the suicide rates committed by people over 35 years.



ACROSS COUNTRIES

— Suicide Rate
---- GDP per capita



When looking at the changes in suicide rate and GDP for each country, the negative relationship becomes more visible. As GDP decreases, suicide rate increases or vice versa. This is especially clear for the countries including Russia, Germany, Japan, France, and Ukraine but not the US.

Sinem Aytaç

IST719 - M001