

PROJECT ON SUICIDE RATES AND ITS CORREALTION WITH OTHER FACTORS

PROBLEM STATEMENT :

Does there exist any link between suicide, happiness and economic condition and how suicide rate vary according to gender.

REASON TO CHOOSE THIS TOPIC :

It is very shocking fact that one in 100 deaths is by suicide. Death by suicide is higher than that by HIV ,Malaria or cancer. We are losing many talented individuals due to suicide.

Creating awareness is the most effective way to tackle this problem. For making our awareness more effective we need a better understanding about this topic and its correlation with other factors.

This analysis will help us to get to know more about suicide so that we can create better awareness about this topic ; thus it may eventually lead to decrease in suicide rate.

DATA COLLECTION :

For this problem I am using secondary data collected from WHO official site and Kaggle.

The links are attached below:

<https://www.who.int/data/gho/data/themes/mental-health/suicide-rates>

(for suicide rate)

<https://www.kaggle.com/nitishabharathi/gdp-per-capita-all-countries> (for
gdp per capita)

<https://www.kaggle.com/unsdsn/world-happiness?select=2018.csv>

(for happiness index)

To make analysis more reliable, I have cleaned and linked these dataset(included only data for 2018)

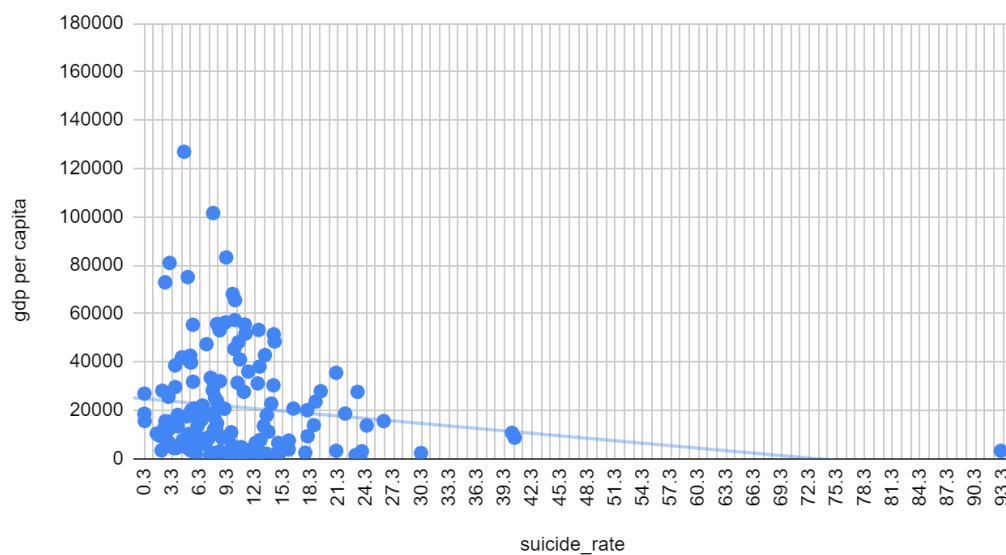
The Final dataset is attached for reference below:

<https://docs.google.com/spreadsheets/d/1uSIYEGtLi2Z4-OJSevl05SDayo7KxZmbSgQ8wwb3CZc/edit?usp=sharing>

ANALYSIS AND VISUALIZATION :



GDP per capita vs. Suicide_rate



SUMMARY / INFERENCE :

The bar graph shows that male suicide rate is significantly higher than female suicide rate. This could be due to the fact that men are not able share their problems due to the notion in the society that they are bold ; so they ended up in suicide.

Scatter plot shows that suicide rate is negatively correlated with GDP per capita and happiness index (since slope of the trend line is negative in both case). This shows that financial crisis and lack of happiness could be the reason for suicide.