SUICIDE DATASET:

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1. CONTENT

THIS COMPILED DATASET IS PULLED FROM FOUR OTHER DATASETS LINKED BY TIME AND PLACE, AND WAS BUILT TO FIND SIGNALS CORRELATED TO INCREASED SUICIDE RATES AMONG DIFFERENT COHORTS GLOBALLY, ACROSS THE SOCIO-ECONOMIC SPECTRUM

2. ABOUT THIS FILE

COUNTRY, YEAR, SEX, AGE GROUP, COUNT OF SUICIDES, POPULATION, SUICIDE RATE, COUNTRY-YEAR COMPOSITE KEY, HDI FOR YEAR, GDPFORYEAR, GDPPERCAPITA, GENERATION (BASED ON AGE GROUPING AVERAGE)

3. MAIN PROBLEM STMT

- SUICIDE PREVENTION

- MULTIPLE SUB-PROBLEM STATEMENTS CAN BE CUMMULATIVELY PRESENTED

4. DATA EXTRACTION REFERENCES

- UNITED NATIONS DEVELOPMENT PROGRAM. (2018). HUMAN DEVELOPMENT INDEX (HDI). RETRIEVED FROM *HTTP://HDR.UNDP.ORG/EN/INDICATORS/137506*

- WORLD BANK. (2018). WORLD DEVELOPMENT INDICATORS: GDP (CURRENT US$) BY COUNTRY:1985 TO 2016. RETRIEVED FROM

HTTP://DATABANK.WORLDBANK.ORG/DATA/SOURCE/WORLD-DEVELOPMENT-INDICATORS#

- [SZAMIL]. (2017). SUICIDE IN THE TWENTY-FIRST CENTURY [DATASET]. RETRIEVED FROM *HTTPS://WWW.KAGGLE.COM/SZAMIL/SUICIDE-IN-THE-TWENTY-FIRST-CENTURY/NOTEBOOK*

- WORLD HEALTH ORGANIZATION. (2018). SUICIDE PREVENTION. RETRIEVED FROM *HTTP://WWW.WHO.INT/MENTAL_HEALTH/SUICIDE-PREVENTION/EN/*

5. WEBINARS / OPEN INFORMATION

1. National suicide prevention strategies
2. How to build a comprehensive Suicide Prevention Strategy
3. Facebook live Q&A on suicide prevention

Related links

4. More information about suicide prevention

6. ROUGH APPROACH

Interested in exploring the possible causes that might increase the risk of suicide in societies, using different machine learning algorithms. Therefore, we decided to enrich the data set by adding more features from the World Development Indicator database to the original suicide data ("extra_data")

- CLASSIFICATION MODEL
    - o Binary classification -> suicide rate low, suicide high

- REGRESSION MODEL
    - o Predict % of suicide rate

- EDA & INFERENCES for historic behavior