Problem Identification

Suicide is a huge issue in many countries all over the world. There does not seem to be a clear way to prevent people from committing suicide. Mental disorders seem to be one indicator of what causes a person to commit suicide. In this capstone, I hope to deeply research suicide rates and the rates of mental disorders and see if there is a connection between the two.

Problem statement formation

Perhaps it is possible that many people commit suicide because they have a mental disorder?

Context

From the death rate from suicide dataset, it clearly shows that the countries with the most suicides in the world are Southern African countries. The highest one is Lesotho with a suicide rate of 87%. In this capstone I hope to find out why the suicide rates are so high in this area of Africa as opposed to other areas in the world. Also to discover why countries like South Korea and Japan do not have higher rates on these data sets when suicide is so common in their cultures.

Criteria for success

Thorough analysis of the mental health data set will be performed to see if there is a connection between suicide and mental health.

Scope of solution space

I will perform a linear regression between the mental health data set and the suicide data set to see if there is a strong correlation between the two.

Constraints

Data sets may not be pulling all the information I need because some African countries do not record mental health statistics as much as Western countries.

Stakeholders

None involved

Data sources

burden-disease-from-each-mental-illness - our world in data

death-rate-from-suicides-gho - Our World in data

What is the problem you want to solve? I essentially want to discover whether mental health plays a huge role in suicidality. Perhaps by answering that question it could prevent a lot of people who are contemplating suicide.

Who is your client and why do they care about this problem? In other words, what will your client do or decide based on your analysis?

I don't believe there really is a client involved in this project. Unless you want to say people at risk for suicide.

What data are you using? How will you acquire the data? I'm using two data sets: one that deals with mental health around the world and the other that deals with suicides around the world.

Briefly outline how you'll solve this problem.

The hope is to discover that mental health is a factor in suicide so with that knowledge hopefully we can lessen the amount of suicides by knowing the signs of someone with poor mental health.

 What are your deliverables?

Code, data sets, A GitHub repo containing the work you complete for each step of the project, A slide deck, A project report