

Causes of Death

Group AKA

Alaa Almouradi 00030123

Filzah Azeem 00030138

Fatma Khalil 00029999

M Safwan Yasin 00030037

Saleh Alshurafa 00030002

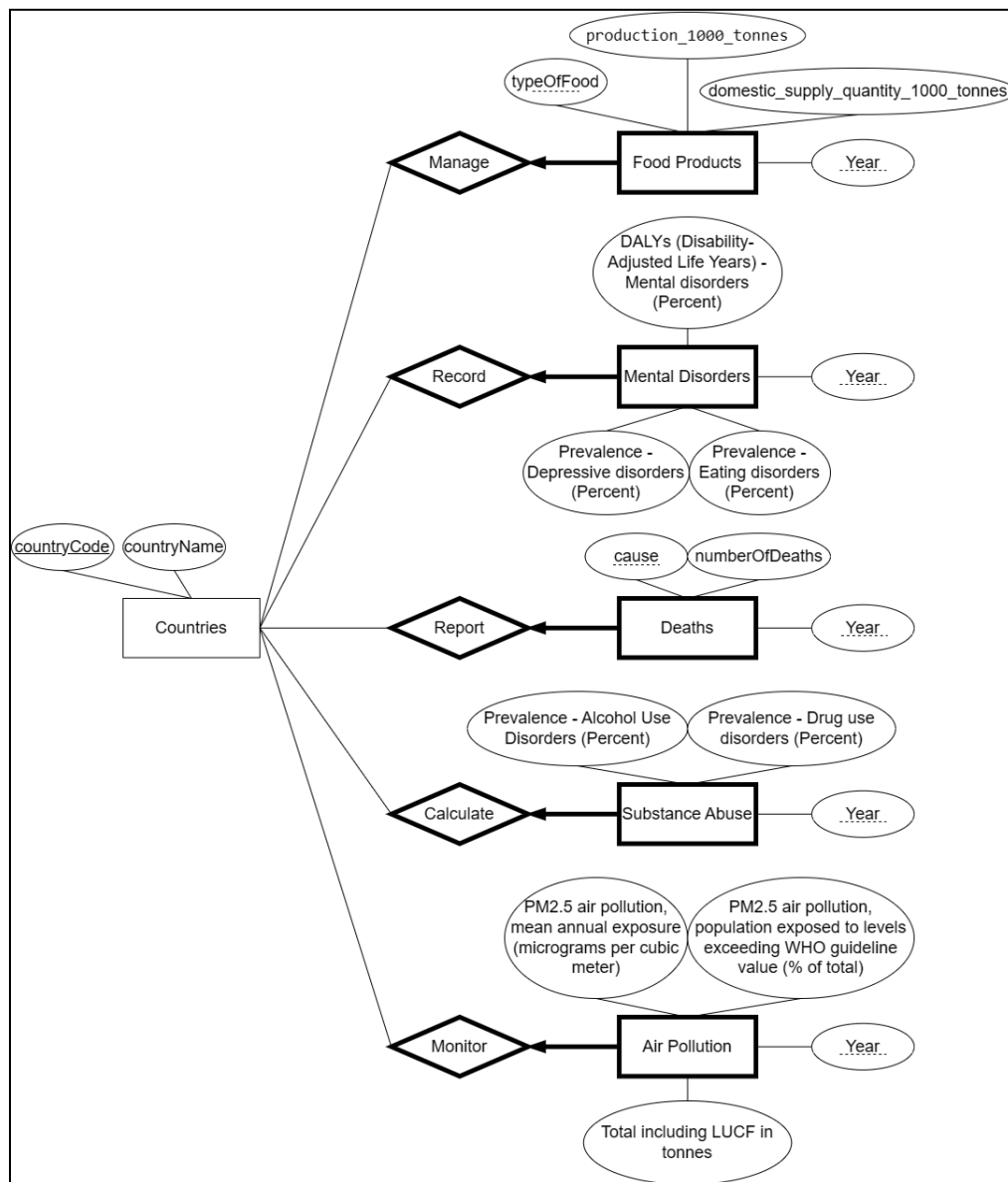
CS306 Spring 22-23

[GitHub Repository](#)

Project Description:

In this project our database application will store data on causes of deaths per country throughout time, along with data on other topics that can be related to specific causes of death. With that data, some insight can be discovered about specific causes of death in general or in specific countries. Food data can be related to deaths in famine. Mental disorder data can be related to deaths by direct mental disorders or results of them. Substance Abuse data can be related to violence or other deaths by specific illnesses. Pollution data can be related to deaths by specific illnesses. Our aim is to help countries and responsible authorities and organizations in identifying the leading causes of deaths around the world so that they can take necessary steps to reduce the numbers of deaths as much as they can.

ER Model:



ER Model Explanation:

Countries entity set is a strong entity set and has its primary key as countryCode. The rest of the sets are weak entity sets with complete participation and one to many (one Country many from other sets) constraints in the identifying relationship sets while the countries set has partial participation. The weak entities have their keys as years along with the primary key of the related owner entity. The food and death sets have one more attribute in the key as they can have multiple entries in the same year per country.

Our CSV Files:

1. CountriesTable.csv:

write

2. Alaa Almouradi Table STEP1(Food).csv

write

3. M Safwan Yasin Table STEP1(Mental).csv

write

4. Fatma Khalil Table STEP1(Death).csv

write

5. Filzah Azeem Table STEP1(Substance).csv

write

6. Saleh Alshurafa Table STEP1(Air Pollution).csv:

For my CSV file, I used the data from the following tables found in

Outline:

In your PDF file, provide a project description that includes the title of your project. In your description, specify what your database application will be, what data you will store, and which world problems you are addressing. You need to include your ER diagram and all the explanations from the previous step. Identify your CSV files and how you separated them from the flat design. Please briefly explain the cleaning steps you took, such as removing duplicates from your final sets, etc. Provide a link to your repository.