

Group ID: 18

Group Members:

Fikret Kayra Yılmaz - 29371
Mustafa Adnan Arasan - 29413
Gökalp Hasbutcu - 29362
Selahattin Emre Bilgiş - 29548
Serdar Yıldız - 19739

Project Description

The aim of this project is to provide a comprehensive and localized analysis of the most common causes of death around the world. By leveraging a diverse range of data sources from different countries, we hope to uncover important insights into the patterns and trends of global mortality, and shed new light on the most pressing health concerns facing our planet today. With the findings of this project, the health sector will be better equipped to prioritize their efforts and resources towards addressing the most brutal and life-threatening causes of death in different regions of the world. By using database system technics, we aim to identify the key factors contributing to mortality in each country. With easily accessible and user-friendly data visualizations, people will be able to take control of their own health and make informed decisions about their lifestyles.

We analyzed the dataset we received from the site via Excel and extracted the most useful causes of death using a power pivot. Since we will not use all the years, we chose 5 years. Our datasets are “data_deaths.xlsx” and “pop.csv”, which includes countries and their populations for 5 years.

Relations in the ER diagram

- **Countries**: This entity represents all the countries that are being analyzed in the project. It has attributes as the country name and the country code.
- **Population**: This entity represents the population of each country. It has attributes as the year and the amount of the population.
- **Death**: This entity represents the instances of death that have been recorded for each country. It has relations with diet, addiction, and disease.
- **Diet**: This entity represents the deaths due to nutritional problems (e.g., high in sodium, low in whole grains, low vegetable). It has attributes as year, name, and the amount.
- **Addiction**: This entity represents the deaths due to addiction to various substances (e.g., drugs, alcohol, tobacco) in each country. It has attributes as year, name, and the amount.

- Disease: This entity represents the deaths due to various diseases in each country (e.g., blood pressure disease, diabetes, obesity). It has attributes as year, name, and the amount.

