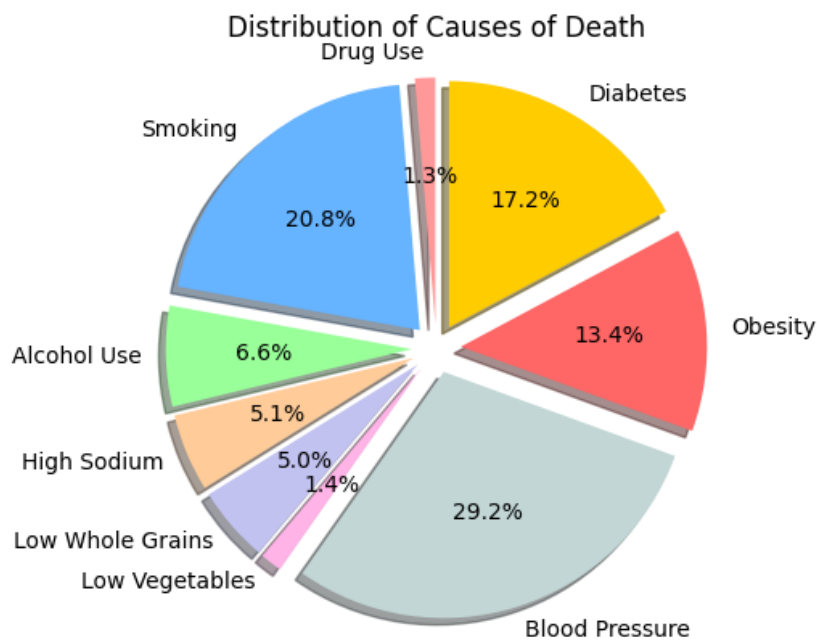# Group ID: 18

Group Members:
Fikret Kayra Yılmaz - 29371
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Selahattin Emre Bilgiş - 29548
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GitHub Repository Link: https://github.com/emrebilgis/CS306_Database_System

Within our comprehensive dataset, we have compiled a wide array of statistical information encompassing various aspects, such as countries, populations, and causes of death. With the aid of this invaluable data, we dedicated our efforts towards the development of not one, but rather six distinct visual representations, thereby enhancing the accessibility and comprehension of this intricate information.
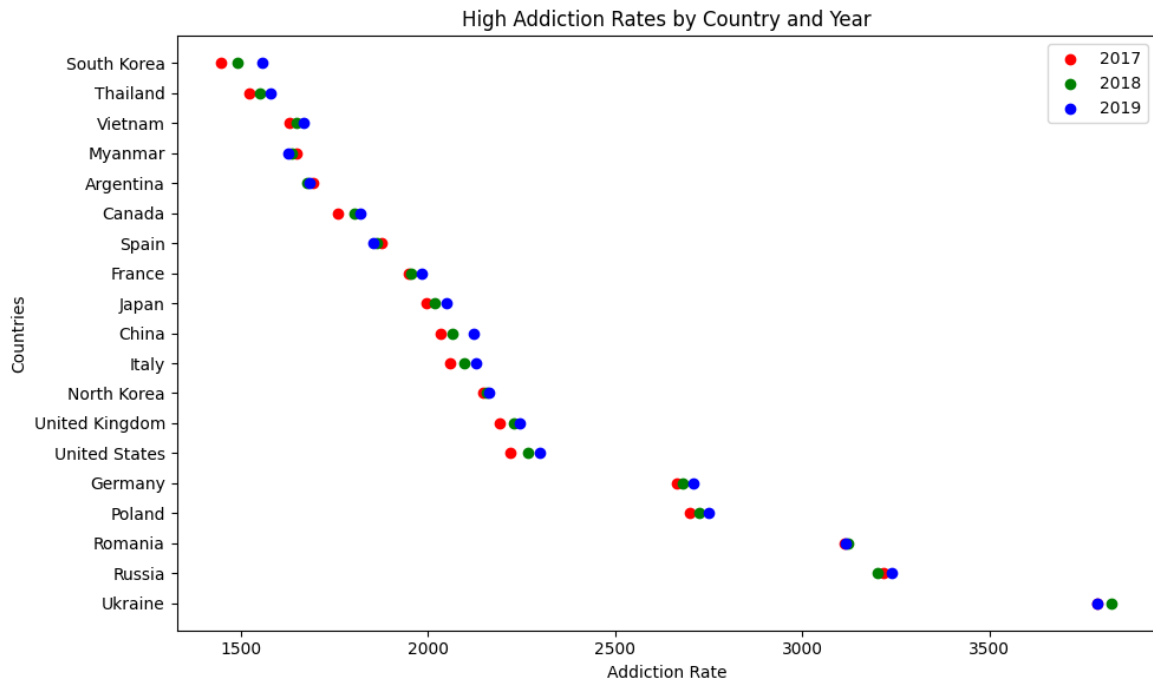
1. Distribution of Causes of Death

We generated a pie chart for this analysis and discovered that the predominant causes of death were smoking and high blood pressure.
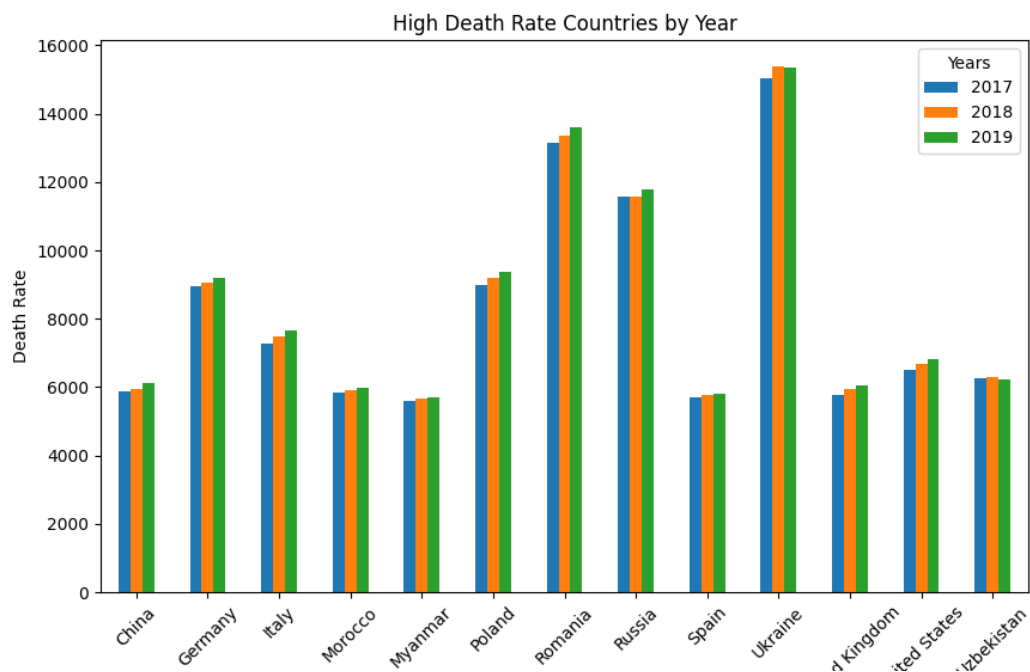

Distribution of Causes of Death

2. Addiction Rates

We generated a scatter plot to analyze the countries with the most significant fatalities resulting from addictions and how those numbers have fluctuated over time.

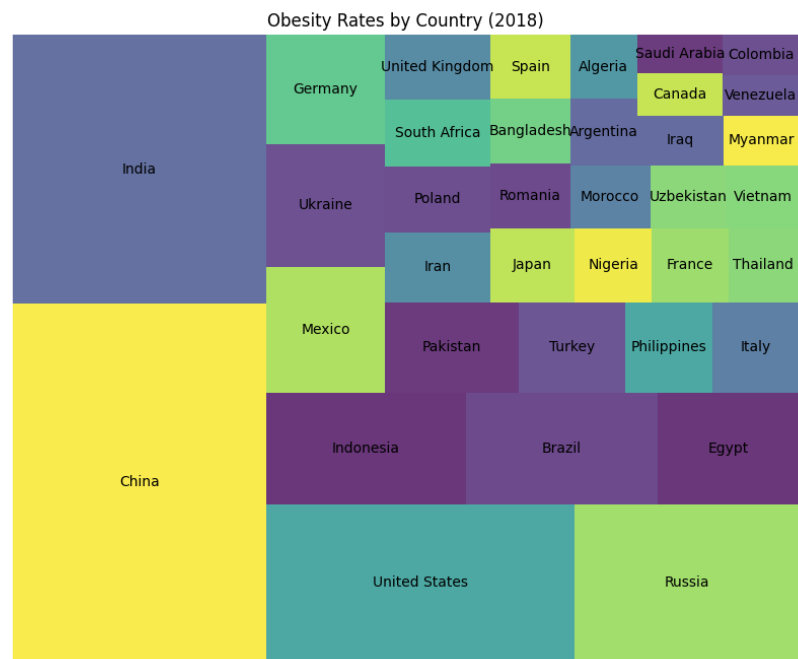High Addiction Rates by Country and Year

3. Most deaths by Years

We visualized a bar chart to illustrate the progression of annual mortality rates in countries with the highest records. Through this visual representation, we aimed to provide an overview of the numbers of deaths over the years. We enhanced the clarity of the data, making it easier to comprehend and analysis of the trends in these specific regions.

High Death Rate Countries by Year

4. Obesity Rates by Country

We conducted a comprehensive comparative analysis of obesity statistics across various countries, which we visually represented using a meticulously designed tree chart.

Obesity Rates by Country (2018)

5. Correlation Heatmap (Disease and Diet Rates)

Finally, we employed a visual representation as a heatmap to discern and establish the existing correlation among the various factors contributing to mortality. Our primary objective was to determine the extent to which multiple causes of death were interconnected within the population.

Correlation Heatmap (Disease and Diet Rates)