mongoimport --db death\_data --collection suicide\_death\_rates --type csv --headerline --file "C:\Users\Qazi Fabia Hoq\OneDrive\Desktop\Death\_drug\Death\_rates\_for\_suicide\_\_by\_sex\_\_race\_\_Hispanic\_origin\_\_and\_age\_\_United\_States.csv"

mongoimport --db drug\_data --collection drug\_overdose\_death\_rates --type csv --headerline --file "C:\Users\Qazi Fabia Hoq\OneDrive\Desktop\Death\_drug\Drug\_overdose\_death\_rates\_\_by\_drug\_type\_\_sex\_\_age\_\_race\_\_and\_Hispanic\_origin\_\_United\_States.csv"

1. Trend Analysis: How have the death rates for suicide and drug overdose among Hispanics in the US changed over time?

Visualization 1: Line plot showing the trend of death rates for suicide and drug overdose over the years.

Visualization 2: Stacked area plot showing the distribution of death rates for suicide and drug overdose by year.

2. Comparison by Gender: Is there a difference in death rates for suicide and drug overdose between males and females among Hispanics in the US?

Visualization 1: Grouped bar chart comparing the death rates for suicide and drug overdose between males and females for each year.

Visualization 2: Box plot showing the distribution of death rates for suicide and drug overdose by gender.

3. Age Group Analysis: How do the death rates for suicide and drug overdose vary across different age groups among Hispanics in the US?

Visualization 1: Line plot or bar chart showing the death rates for suicide and drug overdose for different age groups over the years.

Visualization 2: Histogram or box plot showing the distribution of death rates for suicide and drug overdose among different age groups.

4. Correlation Analysis: Is there a correlation between drug overdose death rates and suicide death rates among Hispanics in the US?

Visualization: Scatter plot showing the relationship between drug overdose death rates and suicide death rates for each year.

Visualization: Heatmap showing the correlation matrix between drug overdose death rates and suicide death rates over the years.

Statistical Analysis: Calculate the Pearson correlation coefficient between drug overdose death rates and suicide death rates.

5. Ethnicity Comparison: How do the death rates for suicide and drug overdose among Hispanics compare to other ethnic groups in the US?

Visualization 1: Bar chart comparing the death rates for suicide and drug overdose between Hispanics and other ethnic groups.

Statistical Analysis: Conduct a t-test to determine if there is a significant difference in death rates between Hispanics and other ethnic groups.

6. Temporal Patterns: Are there any seasonal or monthly patterns in the death rates for suicide and drug overdose?

Visualization 1: Area plot showing the death rates for each month over the years.

Statistical Analysis: Calculate the average death rates for each month and identify any significant trends or seasonality.

7. Age-Specific Trends: How have the death rates for suicide and drug overdose among different age groups changed over time?

Visualization 1: Pie chart showing the distribution of death rates among different age groups.

Statistical Analysis: Calculate the average death rates for each age group and identify any significant trends.

8. Regional Analysis: Are there any regional differences in the death rates for suicide and drug overdose?

Visualization 1: Geographic plot showing the death rates for suicide and drug overdose by region.

Statistical Analysis: Calculate the average death rates for each region and identify any significant differences.