DRUG OVERDOSE DEATH RATE

Applied Data Science-1|Assignment-1

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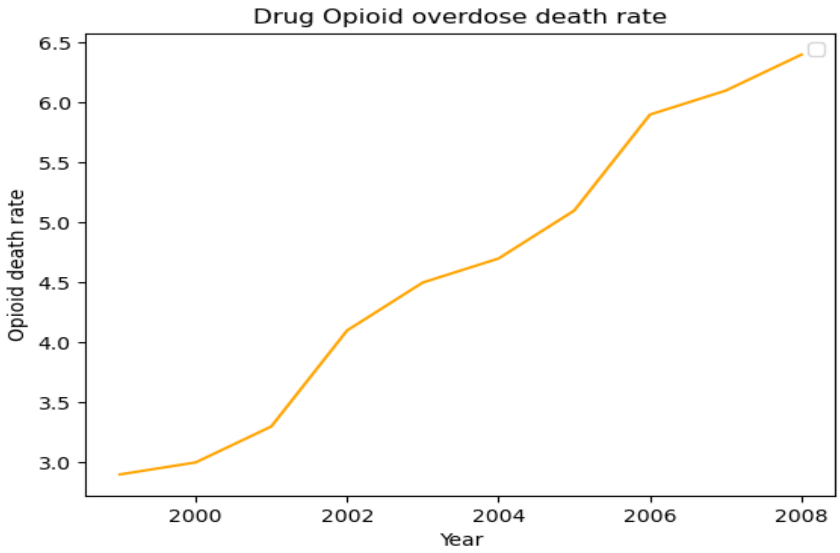
GitHub Link|Rajith24699/Applied-data-science-1 (github.com) |

Kaggle Dataset link|Drug overdose death (kaggle.com)

Analysis and Graphical Representation on Drug Overdose Death Rate

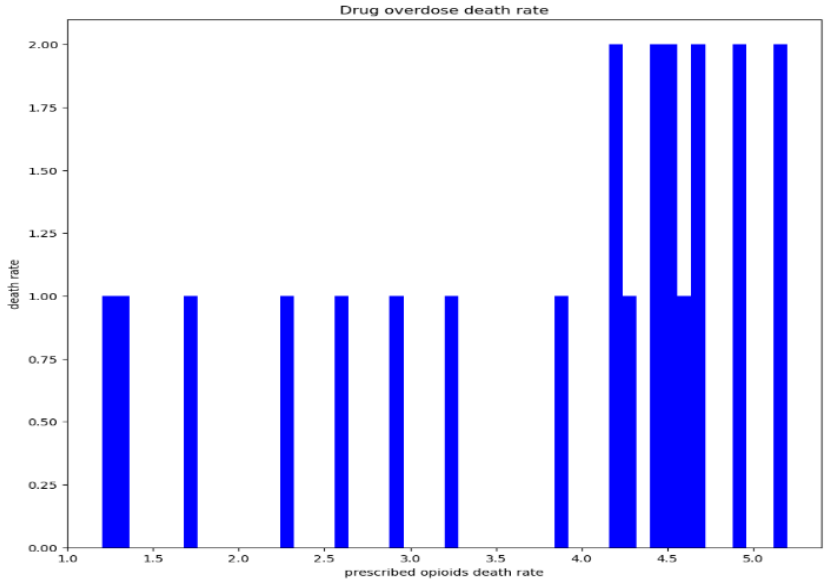
Annual number of deaths from drug overdose per 100,000 people. Overdoses can result from intentional excessive use of a substance, but can also result from 'poisoning' where substances have been altered or mixed, such that the user is unaware of the drug's potency.
This data visualization presents provisional counts for drug overdose deaths based on various types of drugs.

Visualization-1: Line Graph



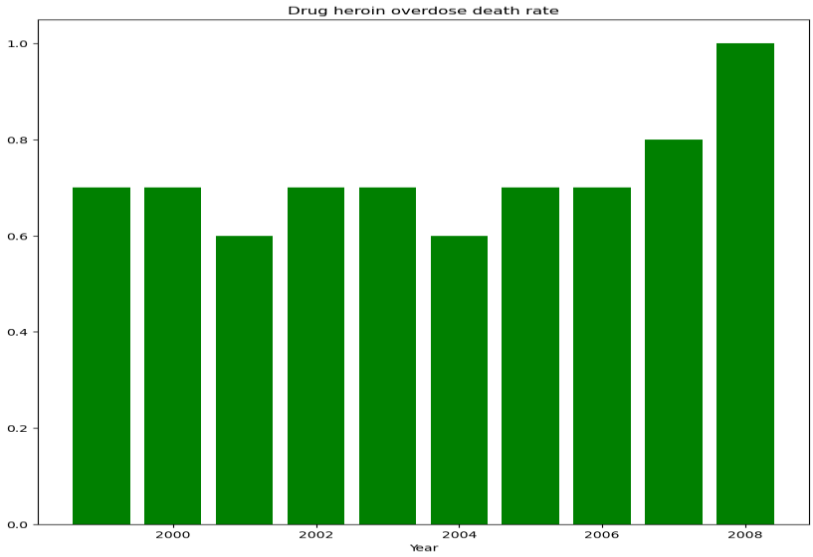
- The gradual increase in the death rate by overdose of the Drug Opioid
- The line graph represents the increase in the death rate from 3.0 to 6.5 over the years from 2000 to 2008, which shows that more intake of Opioid Drugs results in death.

Visualization-2: Histogram



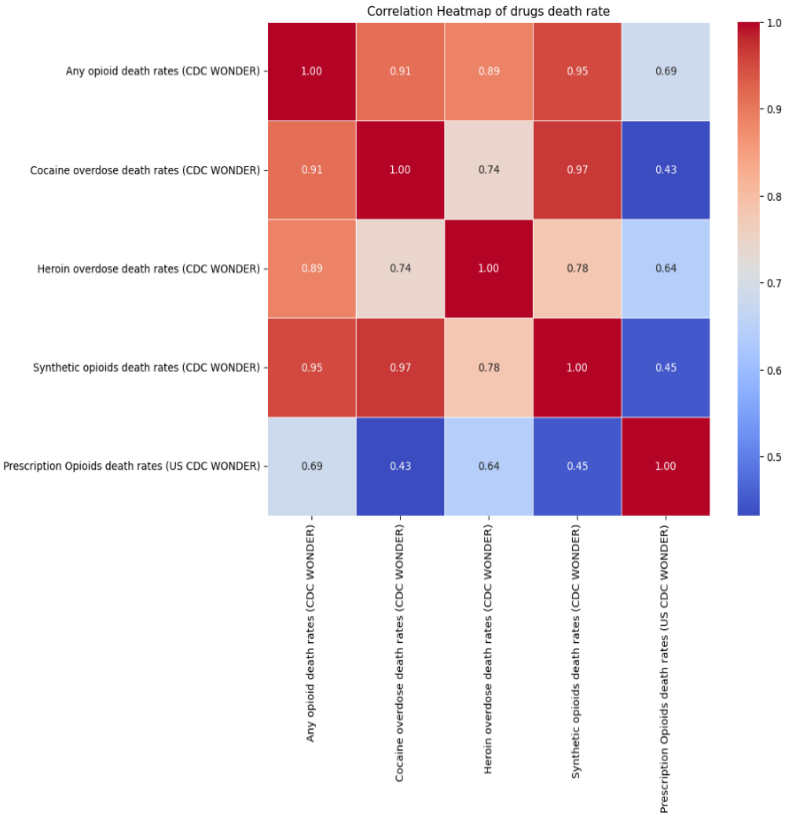
- The histogram visualizes the distribution of death rates associated with Prescribed Opioids
- The above histograms show that the prescribed overdose of Drug Opioids has also led to the death rate

Visualization-3: Bar Chart



- This visual represents the heroin overdose death rates.
- This bar plot explains clearly that there are variations in the death rate in the years between 2000 to 2006 and a sudden increase in the next two years

Visualization-4: Heatmap



- The various types of drugs that led to death because of overdose have been correlated
- The heatmap shows that the death rate due to high dosages of drugs has gradually increased every year