Minor in AI

Class Notes

March 06

Title: Seaborn-Advanced and attractive visualizations

Syllabus:

- Customize plots to make them more informative and appealing

- Present data visually to convey insights.

Activities discussed:

- John Snow's work on cholera outbreak in London: importance of visualization

Seaborn, a Python data visualization library, simplifies statistical plotting, making it easier to uncover patterns, trends, and relationships in data. With built-in themes and color palettes, it enhances readability and aesthetics. Seaborn's functions, such as sns.pairplot() and sns.heatmap(), allow users to explore correlations, distributions, and categorical relationships effectively. It integrates well with Pandas, enabling direct visualization from DataFrames. Through violin plots, box plots, and regression plots, Seaborn helps in identifying outliers, trends, and deviations. Its ease of customization and statistical plotting capabilities make it a powerful tool for drawing meaningful insights and supporting data-driven decision-making.

Refer to collab for all the programs.