



Mini Project in Law Enforcement Data Analysis:

This mini project is optional, by taking it you can elevate the grade of register term.

Objective: You have to analyze a real dataset related to law enforcement using data analysis tools (excluding MS Excel and Google Sheets). You can use datasets that were covered during practice, **except datasets from Chicago City Portal. Analysis performed on datasets from Chicago City Portal will not be accepted.**

Deadline: Sunday, 17th, 15:00 pm.

Submission: Submit your analysis report and code (which was done in Jupyter Lab) on Moodle.

Instructions:

1. Choose a real dataset related to law enforcement. Ensure that the dataset is relevant and provides sufficient data for analysis. You can use datasets that were covered during practice, except datasets from Chicago City Portal. Analysis performed on datasets from Chicago City Portal will not be accepted.
2. You are free to use any data analysis tool except MS Excel and Google Sheets. Options include Python with libraries like Pandas, NumPy, or SQL, or any other tool you are comfortable with.
3. Define a problem or goal of your analysis.
4. Perform exploratory data analysis (EDA) on the selected dataset.
5. Identify key trends, patterns, or insights within the data.
6. Utilize statistical methods to extract meaningful information (optional).
7. Visualize the findings using appropriate charts, graphs, or plots (optional).

Your report should include:

Introduction: Briefly introduce the dataset and its relevance to law enforcement.

Analysis: Perform meaningful analysis

Conclusion: Summarize your overall findings and the significance of the analysis.

Resources:

Seek assistance from online resources, books, your peers, AI if needed. However, ensure that the analysis and report are your original work.