**DC METRO CRIME AREA**

**(MINI GROUP PROJECT(Python))**

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Working though this project is a great experience. Very excited from the beginning to learn. The group has great coordination by creating in Gitlab through Kanban board. We created several lists of task and assigned by group and some as individual by setting time on each task.

We understand the data by sitting and analyzing each individual column with duplications. Then we came up to one conclusion what need to be cleaned.

Dataset of all of the crimes in the DC metro police system ranging from Theft, Arson, Assault, Homicide, Sex Abuse, Robbery, and Burglary.

Dataset downloaded from Kaggle website DC Metro Crime CSV file: size (108.66 MB)

We used “Group by” and “Unique” to check the data what are the related columns.

Eliminated the repeated and empty value columns. After cleaning of several columns, we each separated tasks plotting.

My tasks:

* Creating Jupyter Notebook
* Importing the libraries such as(pandas, matplotlib, seaborn, json, requests, numpy, datetime, pprint, csv file and reading the csv file)
* Cleaning up the data removed repeated, missing values,unrelated columns and renamed the couple of columns Indexed as CCN
* Plotted the homicide average use of weapons Gun is the most used common weapon knife took the second place.

Over all we had extreme team coordination. We didn’t meet personally ever, by slacking each other understanding everyone’s needs, presenting in power point brought satisfaction. No quarrels no disappointment, collaborated extremely well.