Step 1:

1. Go to Data\_University folder in the zip downloaded from github.
2. Run ‘dataparse\_university\_data.ipynb’ file in Data\_University folder
3. Two files will be generated:

* full\_data\_final.csv
* full\_data\_final\_VAWA.csv

1. VAWA Plot(Feature 5) will be created in this ‘dataparse\_university\_data.ipynb’ file

Step 2:

1. Run ‘Crime Trend - Python Project.ipynb’ file in Data\_University folder
2. Crime Trend plot(Feature 2) would be created

Step 3:

1. Run ‘Ranking.ipynb’ file in Data\_University folder
2. Ranking of the universities as per their crime rates shows up (Feature 6).

Step 4:

1. Go to JSON\_from\_API folder in the zip downloaded from github
2. Run ‘University\_location\_from\_API.ipynb’ file in JSON\_from\_API folder
3. ‘university\_location.csv’ will be generated
4. Run each cell of ‘Geographic Mapping of Crimes across USA.ipynb’ in JSON\_from\_API folder sequentially

* You will be prompted to input year for eg: 2002
* You will be prompted to input crime category eg: Arson *(****Please do not type quotes****)*

1. A map would be generated (Feature 1)

Step 5:

1. Go to Data\_City folder in the zip downloaded from github
2. Run ‘Web Scraping City Data.ipynb’ file in above folder
3. ‘city\_plot.csv’ will be generated
4. Run ‘University vs. City.ipynb’ in Data\_City file
5. University crime trend comparison with City crime trend would be featured in a plot (Feature 3)

Step 6:

1. ‘gun-violence-data\_01-2013\_03-2018.csv’ is placed on Google Drive at the following url <https://drive.google.com/file/d/1YCA9yp8AT3H1SKwKevvl1gmvgKHaA5Ug/view>

Download this file and place it in Data\_City folder mentioned in step 5. Unzip it.

1. Run ‘Gundata\_Analysis.ipynb’ and a plot of gun regulation impact on crime will be generated(Feature 4)