While working on Data and multiple Excel sheets various Graphs and EDA processes have been created, brief details of all such graphs and processes are given in Jupiter notebook.

Crime, not only depends on the literacy rate of a state but it also has the dependency on psychology of a person which is differ from region to region, climate ,society and it has various other factors such as education, culture ,upbringing etc.

The literacy rate of Uttar Pradesh (UP) is 67% and it is one of the highest populated states however in comparison to other states it has been found that UP has the highest number of educated people.

Literacy rate is highest in Kerla which is 94% and lowest in Bihar which is 61% while doing analysis it has been observed that Literacy rate have direct relation with crime like murder, kidnapping, molestation etc

While seeing the graphs it can be said that those States/UT which have higher literacy rate are also higher in number of crimes. Facts stated that a reason of these crimes is good standard of living, financial capability of a population since people have money and a lawful way for a disposable income people are more often to crime like molestation, robbery, murder etc.

**Murder-**

The population of UP is 19cr and its literacy rate is 67%, it has the highest in the number of murder cases where as an union territory like Lakshadweep which have a population of 91k with a literacy rate of 91% is lowest in the number of murder cases. It has been found out that literacy rate plays a vital role in calculation of a crime of any state/UT .It can be said that it has an inverse relation with each other.

**Attempt to Murder-**

UP population is 19cr its literacy Rate is 67% it have highest Attempt to murder Cases and Lakshadweep have population of 91k literacy rate is 91% and have the lowest number of cases here literacy rate play a vital role and it have inverse relation

**Rape-**

Madhya Pradesh has highest number of Rape cases and Lakshadweep have lowest number of cases , MP is in 29th position in Literacy Rate and it have highest Rape cases in entire India there are 7 more States which have lower literacy rate than MP but it have highest number of cases so here other than literacy there are some other factor that leads to Rapes to government have to think about Female literacy ,more help centres to females taining for self defence

Madhya Pradesh is a state which has highest number of Rape cases where as a “Lakshadweep” which has 91% literacy rate is the lowest in the number of such cases. If we see the literacy rate index of MP it is the 29th position but it has the highest in the number of rape cases registered in entire India there are 7 more States which have lower literacy rate than MP still MP is higher in the number of rape cases. Not exactly literacy there might be some other reasons which require a quick attention of government such as child education, sex education, self defence.

**Dacoity-**

Bihar have the highest illiterate population i.e 61% and it has highest in Dacoity whereas Lakshadweep have lowest in Dacoity in this scenario from this comparison it is clearly visible that Literacy have direct relation with Dacoity .

**Kidnapping and Abduction of Other-**

Delhi is highest in the number of kidnapping whereas Lakshadweep have lowest , the literacy rate of Delhi is 86% but it have highest cases followed by Bihar where literacy rate is 61% it is suggested that a government have implement a better monitoring system and tracking of history sheeters ,installing CCTV and more patrolling to reduce crimes

**Robbery-**

**Maharastra** have topped in it having literacy rate of 82% and Bihar position is 5th D & HAVELI have lowest number of cases Maharastra is economy capital of india it have individual have high networth Awarness play a vital role than education and there is scope of highsecurity system ,police petroling and tracking of security threats in order to reduce robbery

**Auto Theft-**

Delhi is top in Auto theft and D & Haveli have lowest number of cases ,Delhi have the highest second hand car market in india so demographic plays an important role due to less space cars are parked any where and get easely theft

**Riots-**

Kerala is the most literate state but have the highest number of riots ,it shows the communal imbalance of state

**Cheating-**

Rajasthan have the highest case of cheating and D & Haveli have lowest cases, Rajasthan is the biggest state and literacy rate is 66% only ,kerla is at 7th position with literacy rate of 94% here literacy is not playing dominating role it may be demography .

**Crime Against Women-**

Andhra-Pradesh have highest crime against women and its only south india state come in list of crime in top having 67% literacy rate here literacy is playing vital role and local authority must concentrate on female literacy ,self defence and awareness programs

**Other IPC crimes-**

Madhya Pradesh have highest crimes and DAMAN & DIU have lowest ,Kerala have 3rd highest ,Madhya Pradesh 3rd largest state and highest in other crimes

At the end we can conclude that north and central states have high crime rates as compare to eastern and western states, Union Territory other than Delhi and Chandigarh are more safe to live and does not require any attention major states like Madhya Pradesh,UP ,Delhi and Bihar need to be addressed .

Macro level to see states Karnataka,TamilNadu ,Gujrat and U/T have low crime rate excluding Delhi ,these states have literacy rate above 85% and crimes are lower these states have good standard of living ,Multiple District have 0 crimes in various Crime categories .

In micro level district

**Observations**

**The Crimes are increasing on yearly basis during observation its found that when literacy rate is decent crime other than murder are increasing like Rape,** BURGLARY **and Theft,**

**While evaluating multiple Data sets**

**Summarizing finding**

**1. Note-Multiple Data have have 0 crime so highlighting top crime places**

**2. To segregate max number 1/3 taken and distribute accordingly**

**1. District\_wise\_crimes\_committed\_against\_SC\_2001\_2012**

Bharatpur in Rajasthan have highest crime Number And Utter Pradesh have topped in combined Data

|  |  |  |
| --- | --- | --- |
| BHARATPUR | RAJASTHAN | 5143 |
|  | UTTAR PRADESH | 76473 |
|  |  |  |

**Clustering of Data with respect to Peacefull ,Moderate and sensitive Area**

|  |  |  |
| --- | --- | --- |
| District | | State |
| Clustering- No Dist |  | Clustering- No Dist |
| Peaceful 690 |  | Peaceful 30 |
| Moderate 105 |  | Moderate 3 |
| Sensitive 17 |  | Sensitive 2 |

**2. District\_wise\_crimes\_committed\_against\_ST\_2001\_2012**

Betul of MP have highest number of cases and MP on top with highest number of cases

|  |  |  |
| --- | --- | --- |
| District | States | Number of Cases |
| BETUL | MADHYA PRADESH | 914 |
|  | MADHYA PRADESH | 18191 |

**Clustering of Data with respect to Peacefull ,Moderate and sensitive Area**

|  |  |
| --- | --- |
| Clustering-No of Dist | Clustering-No of states |
| Peacfull - 753 | Peaceful - 31 |
| Moderate - 64 | Sensitive - 2 |
| Sensitive - 16 | Moderate - 2 |

**3. District\_wise\_crimes\_committed\_against\_children\_2001\_2012**

Indore District have highest crime against Children and MP as state have topped in rank

|  |  |  |
| --- | --- | --- |
| 03\_District\_wise\_crimes\_committed\_against\_children\_2001\_2012 | | Number of Crime |
| Highest Crime Against District | INDORE(Madhya Pradesh) | 4401 |
| Highest Crime Against State | MADHYA PRADESH | 45385 |

|  |  |
| --- | --- |
| District | State |
| Peaceful - 816 | Peaceful - 30 |
| Sensitive - 14 | Sensitive - 4 |
| Moderate - 12 | Moderate - 1 |
|  |  |

42\_District\_wise\_crimes\_committed\_against\_women\_2001\_2012

Delhi UT have highest number of crime commit against women where as in State Andrapradesh have topped

|  |  |  |
| --- | --- | --- |
| 42\_District\_wise\_crimes\_committed\_against\_women\_2001\_2012 | | Number of Crime |
| Highest Crime Against District | DELHI UT(Delhi) | 48089 |
| Highest Crime Against State | ANDHRA PRADESH | 241784 |

|  |  |
| --- | --- |
| District | State |
| Peaceful - 821 | Peaceful - 25 |
| Moderate - 6 | Sensitive - 6 |
| Sensitive - 1 | Moderate - 4 |

01\_District\_wise\_crimes\_committed\_IPC\_2001\_2012.csv

Banglore District have highest crime over all and in state Madhya Pradesh have topped

|  |  |  |
| --- | --- | --- |
| 42\_District\_wise\_crimes\_committed\_against\_women\_2001\_2012 | | Number of Crime |
| Highest Crime Against District | BANGALORE COMMR(KARNATAKA) | 350347 |
| Highest Crime Against State | MADHYA PRADESH | 2413770 |

|  |  |
| --- | --- |
| District | State |
| Peaceful - 810 | Peaceful - 24 |
| Moderate - 16 | Sensitive - 6 |
| Sensitive - 1 | Moderate - 5 |