Capston Project

Navin Singh

Crime Report in India

Phase: 1 (Only)

Section: 2.6

State Wise from 2001 to 2012

INTRODUCTION:

This project divides into 4 parts:

This is 1st Part of Crime Report Project:

Crime in Indian is a significant concern that demands attention at both societal and governmental levels. The analysis presented here aims to shed light on the state of crimes against people in whole India over the year from 2001 to 2012.

Data Collection:

For this project I needed all district's data of whole India so that, Some Important data provided by my educational Institute (Data Trained Academy) like all types of crime details and data of whole Indian state and some data I collected from different – different website.

I collected data as follow:

1) Population of each state
2) Average literacy rate in % of each state
3) Area(KM2) of each state
4) Sex Ratio of each state

Click the link to find the data sources

1. https://en.wikipedia.org/wiki/List_of_states_and_union_territories_of_India_by_sex_ratio
2. http://cyberjournalist.org.in/census/cenindia.html
3. https://www.indiacensus.net/

Overview:

The data collected and analyzed for this report includes various types of Crimes in Each district of whole Indian State including Rape, Murder, Kidnapping, abduction, dowry deaths and assault.

Now I have all types of crime data in entire Indian state and union territory with district.

For this 1st Phase, Firstly I collect all data from different-different website and save in single excel file name as 'collected_data', in this single file I save all types of important data which is provided by my institute and also which I collected from website.

I created one new jupyter notebook name with Project 'Capstone_Crimes in India'. I import some important python library like

- Pandas as pd
- Numpy as np
- Matplotlib.pyplot as plt
- Seaborn as sns
- Warning for avoid the warnings

Then I load with the help of python library. I also mention all links from where I got the data.

In this file data available from 2001 to 2012 including all district but For analysis of this phase 1, I only need state wise data with yearly basis not all district wise data, so that I divide this data in 12 part by yearly base name as

k1(2001), k2(2002), k3,k4, k5, k6, k7, k8, k9, k10, k11, k12(2012) now it's easy to excess yearly wise data.

Now I start Comparison between two columns to get the knowledge what relationship between two tables is like AVERAGE LITERACY RATE and TOTAL IPC CRIMES   using different different plot (bar plot, count plot , strip plot, lamp plot)

After analysis by different-different graph, I can clearly say that, from 2001 to 2012 as the literacy rate is increasing, the crime rate is decreasing. So that if we want to decrease the crime rate, firstly we have to work on to increasing the Literacy rate in whole India.

I also observe:

1) MADHYA PRADESH state has the maximum number of RAPE cases come in light from year 2001 to 2012
2) UTTAR PRADESH state has the maximum number of CULPABLE HOMICIDE NOT AMOUNTING TO MURDER cases come in light from year 2001 to 2012
3) ASSAM state has the maximum number of CUSTODIAL RAPE from 2001 to 2012
4) MADHYA PRADESH has Maximum number of OTHER RAPE cases come in light from 2001 to 2012
5) UTTAR PRASDESH state has the maximum number of KIDNAPPING & ABDUCTION case were registered
6) Uttar Pradesh has the maximum number of Kidnapping and Abduction of Women and Girls in India from 2001 to 2012
7) DELHI UT state is the maximum KIDNAPPING AND ABDUCTION OF OTHER from 2001 to 2012
8) Bihar states has the maximum number of DACOITY from 2001 to 2012

9) MAHARASHTRA states has the maximum number of ROBBERY from 2001 to 2012
10) Bihar state has the maximum number of RIOTS from 2001 to 2012
11) Rajasthan state has the maximum number of CHEATING from 2001 to 2012
12) Utter Pradesh state has the maximum number of Dowry Deaths from 2001 to 2012
13) Madhya Pradesh state has the maximum number of ASSAULT ON WOMEN WITH INTENT TO OUTRAGE HER MODESTY from 2001 to 2012
14) West Bengal state has the maximum number of CRUELTY BY HUSBAND OR HIS RELATIVES from 2001 to 2012
15) Bihar State has the maximum number of IMPORTATION OF GIRLS FROM FOREIGN COUNTRIES from 2001 to 2012
16) Tamil Nadu state has the maximum number of CAUSING DEATH BY NEGLIGENCE from 2001 to 2012
17) Tamil Nadu state has the maximum number of OTHER IPC CRIMES from 2001 to 2012
18) As per as the state's area increasing then total crime rate is also increasing from 2001 to 2012
19) As per as the Population increasing then total crime rate is also increasing from 2001 to 2012

Thanks
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