

# CRIME DATA ANALYSIS

ANALYZING CRIME IN INDIAN STATES

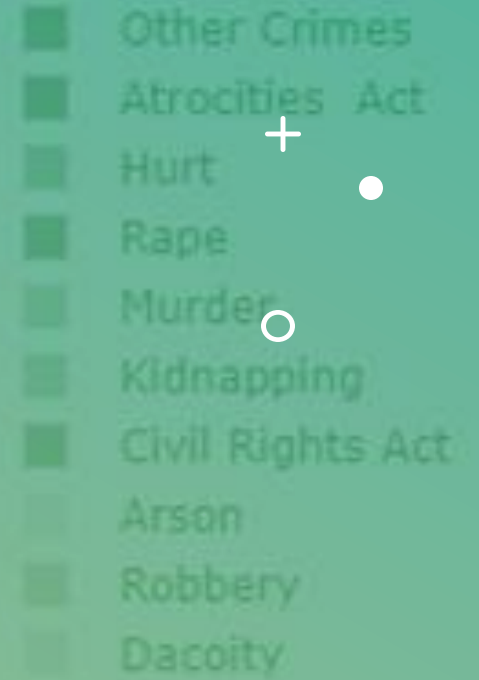
**Guided by:** Dr. Ankur Jain

**By Group 3:**

- Parthiv Konwer (20BAI10138)
- Robin Bhati (20BAI10187)
- Raman Maliya (20BAI10322)
- Yashvardhan Singh (20BAI10135)

# INDEX

- About the project
- Inspiration
- Objectives
- Datasets
- Data Classes
- Result (For Phase-1)



# About the project


- Generalized idea of the crime.
- The original dataset is taken from <https://www.kaggle.com/datasets/rajanand/crime-in-india>
- Dataset used for this phase (image attached in results slide): [https://drive.google.com/file/d/1vJ94kL6nr0yzHweu-OL5kxa43FGY0VjC/view?usp=share\\_link](https://drive.google.com/file/d/1vJ94kL6nr0yzHweu-OL5kxa43FGY0VjC/view?usp=share_link)
- Government data repository: <https://data.gov.in/search?title=crime>

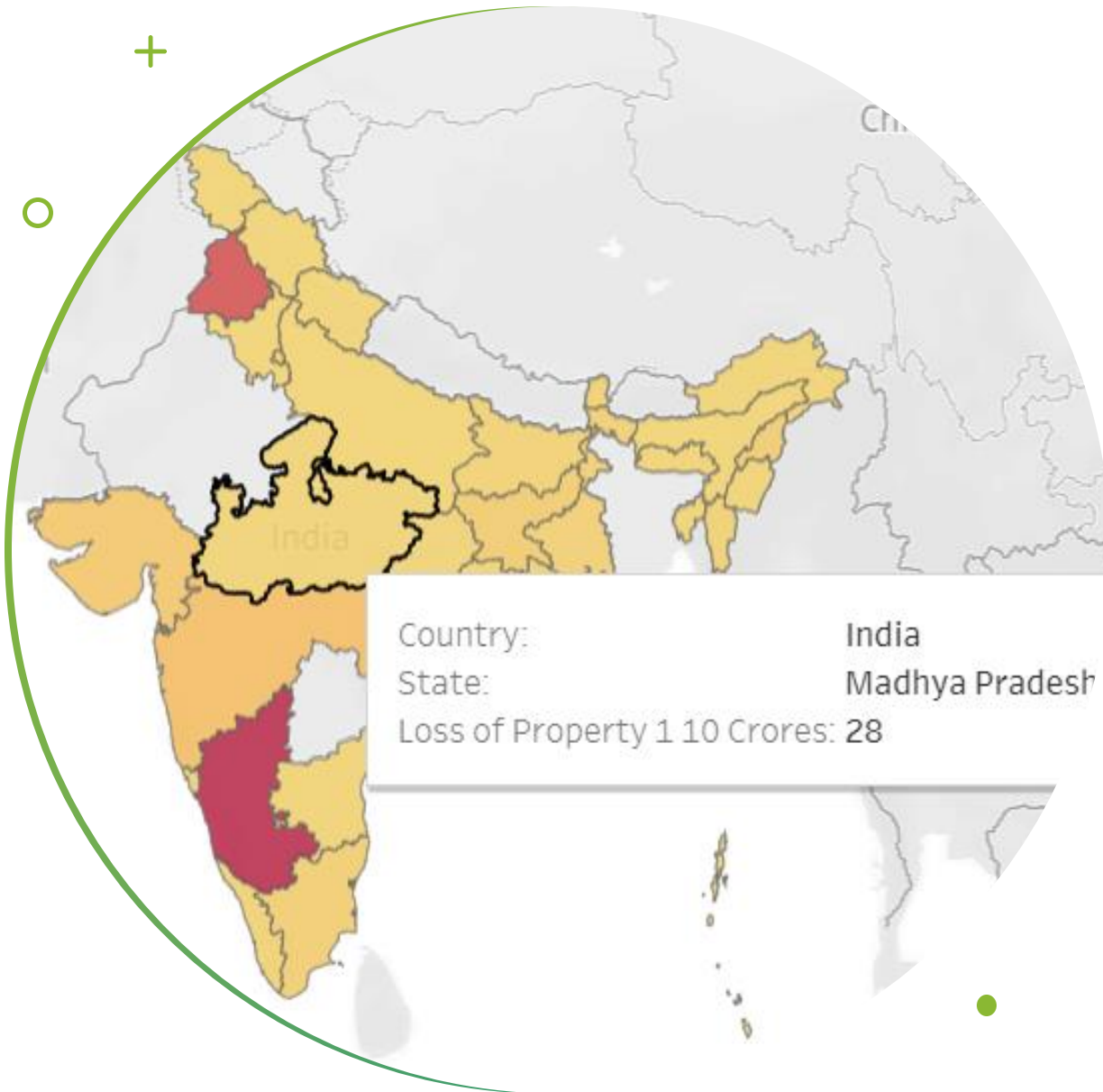
# Inspiration

- A youtuber was molested by 2 men in Mumbai. [\(link\)](#)
- List of heinous crimes in our dataset includes thefts, frauds, murder, kidnapping etc., actions that tend to disrupt the lives of ordinary citizens.



# Objectives

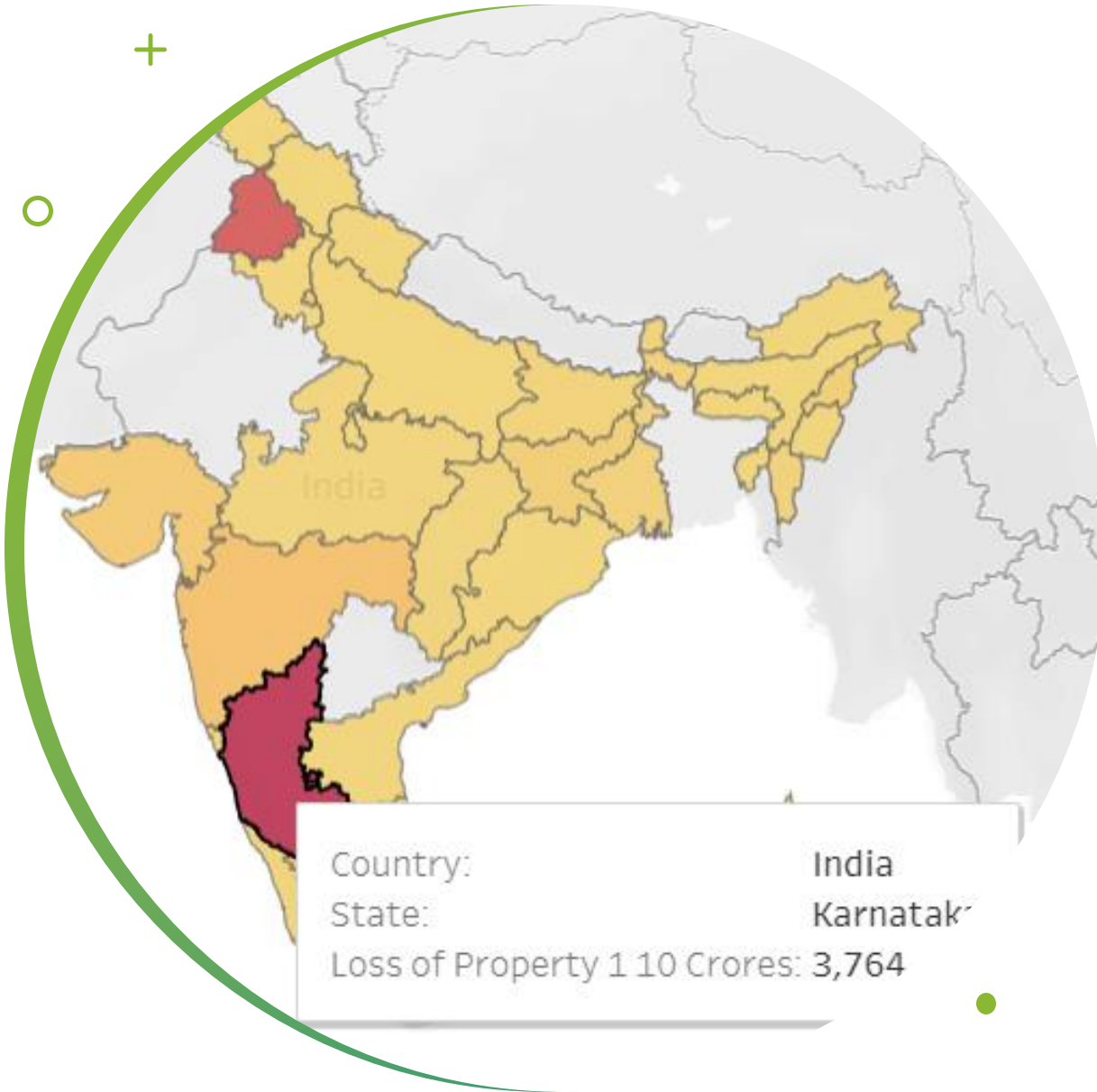
- Focuses on enhancing security for one's wellbeing.
  - Helps traveling agencies decide a traveling route.
  - First-hand impression of a place to travelers.
  - Reduces redundancy of traversing through various sources.
  - Helps in reducing stress-factor from any individual.
- 



# DATASET<sub>(phase-1)</sub> :

The entities included in our dataset are :-

- First column comprises of the Country ID (India for this dataset) which gives the geostats which helps in better analysis of our data.
- The next column comprises of the name of the States.
- The following column comprises of the Year when such heinous crimes were committed.
- The following column stated as Group Name provides the kind of fraud which occurred.

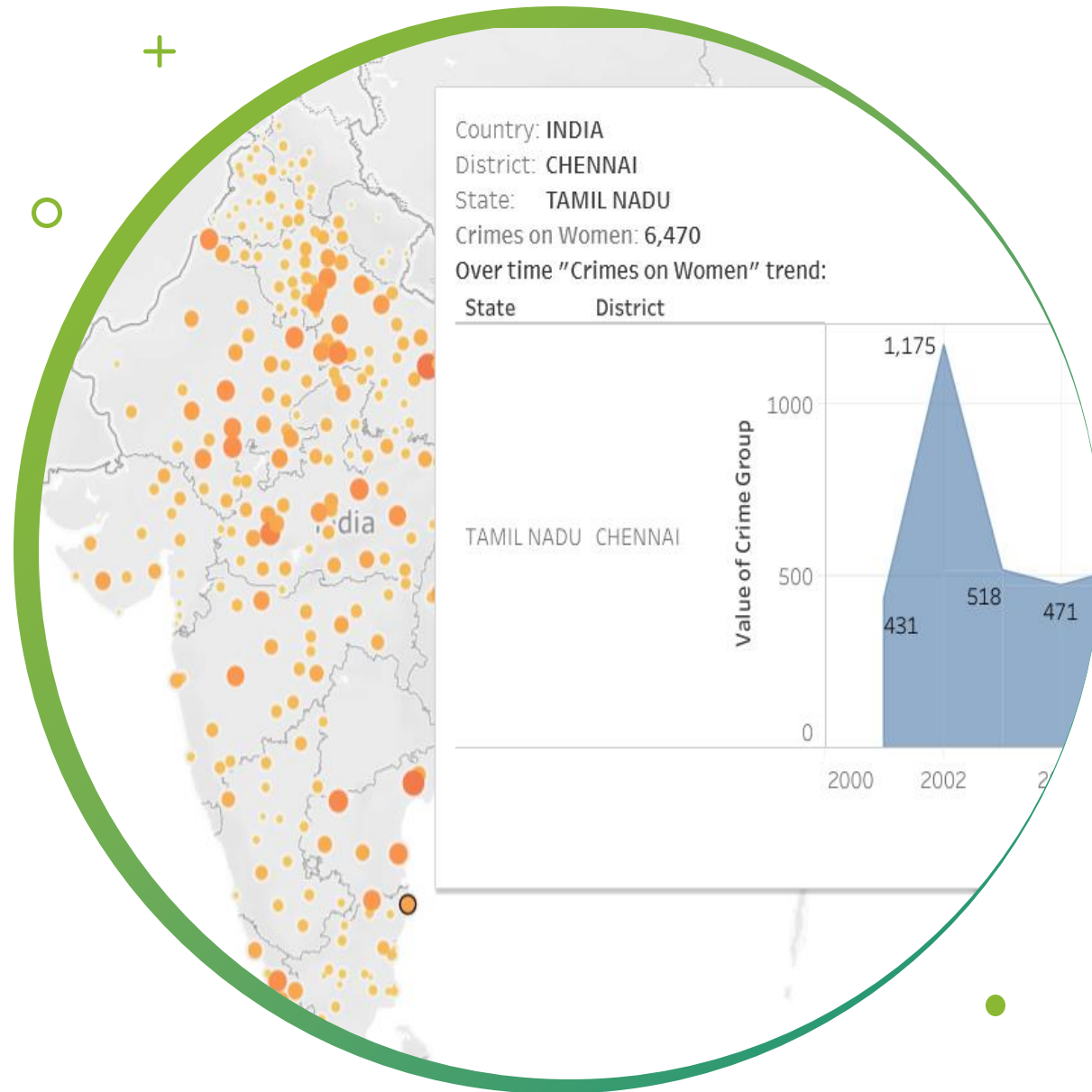


# DATASET (contd.)

Here after the columns represents the financial losses caused due to such frauds in the following 5 columns:

- Range of loss – 1 to 10 cr
- Range of loss – 10 to 25 cr
- Range of loss – 25 to 50 cr
- Range of loss – 50 to 100 cr
- Range of loss – > 100 cr





## DATASET (phase-2):


The entities included in our dataset are :-

- First column comprises of the Country ID
- Next column consists of name of states.
- Following it we have district name column.
- After that we have the year column.
- The following columns represent various crimes like kidnapping, assaults, burglary, dacoity etc.





# Data classes

- Country – Nominal (Categorical)
  - State – Nominal (Categorical)
  - District – Nominal (categorical)
  - Year – Continuous (Numerical)
  - Group Name – Nominal (Categorical)
  - Subgroup – Nominal (Categorical)
  - Losses – Discrete (Numerical)
  - Crimes – Discrete (Numerical)
- 

# Result for phase - 1

- Tableau visualization:  
<https://public.tableau.com/app/profile/yashvardhan.singh6252/viz/CrimeVizIndia/Sheet1#1>
- Extracted data sheet (.csv) from the larger Govt. dataset:  
[https://drive.google.com/file/d/1vJ94kL6nr0yzHweu-OL5kxa43FGY0VjC/view?usp=share\\_link](https://drive.google.com/file/d/1vJ94kL6nr0yzHweu-OL5kxa43FGY0VjC/view?usp=share_link)

|    | A       | B                 | C    | D                        | E              | F                           |           |
|----|---------|-------------------|------|--------------------------|----------------|-----------------------------|-----------|
| 1  | Country | State             | Year | Group_Name               | Sub_Group_Name | Loss_of_Property_1_10_Crore | Loss      |
| 2  | India   | Andhra Pradesh    | 2001 | Serious Fraud - Cheating | 2. Cheating    |                             | 4         |
| 3  | India   | Arunachal Pradesh | 2001 | Serious Fraud - Cheating | 2. Cheating    |                             | 0         |
| 4  | India   | Assam             | 2001 | Serious Fraud - Cheating | 2. Cheating    |                             | 0         |
| 5  | India   | Bihar             | 2001 | Serious Fraud - Cheating | 2. Cheating    |                             | 0         |
| 6  | India   | Chandigarh        | 2001 | Serious Fraud - Cheating | 2. Cheating    |                             | 0         |
| 7  | India   | Chhattisgarh      | 2001 | Serious Fraud - Cheating | 2. Cheating    |                             | 0         |
| 8  | India   | Delhi             | 2001 | Serious Fraud - Cheating | 2. Cheating    |                             | 2 NULL    |
| 9  | India   | Goa               | 2001 | Serious Fraud - Cheating | 2. Cheating    |                             | 2 NULL    |
| 10 | India   | Gujarat           | 2001 | Serious Fraud - Cheating | 2. Cheating    |                             | 14        |
| 11 | India   | Haryana           | 2001 | Serious Fraud - Cheating | 2. Cheating    |                             | 0         |
| 12 | India   | Himachal Pradesh  | 2001 | Serious Fraud - Cheating | 2. Cheating    |                             | 0         |
| 13 | India   | Jammu & Kashmir   | 2001 | Serious Fraud - Cheating | 2. Cheating    |                             | 0         |
| 14 | India   | Jharkhand         | 2001 | Serious Fraud - Cheating | 2. Cheating    |                             | 0         |
| 15 | India   | Karnataka         | 2001 | Serious Fraud - Cheating | 2. Cheating    |                             | 52        |
| 16 | India   | Maharashtra       | 2001 | Serious Fraud - Cheating | 2. Cheating    |                             | 8         |
| 17 | India   | Meghalaya         | 2001 | Serious Fraud - Cheating | 2. Cheating    |                             | 0         |
| 18 | India   | Nagaland          | 2001 | Serious Fraud - Cheating | 2. Cheating    |                             | 7         |
| 19 | India   | Odisha            | 2001 | Serious Fraud - Cheating | 2. Cheating    |                             | 0         |
| 20 | India   | Punjab            | 2001 | Serious Fraud - Cheating | 2. Cheating    |                             | 2150 NULL |
| 21 | India   | Tamil Nadu        | 2001 | Serious Fraud - Cheating | 2. Cheating    |                             | 5 NULL    |
| 22 | India   | West Bengal       | 2001 | Serious Fraud - Cheating | 2. Cheating    |                             | 2         |
| 23 | India   | Andhra Pradesh    | 2002 | Serious Fraud - Cheating | 2. Cheating    |                             | 0         |
| 24 | India   | Bihar             | 2002 | Serious Fraud - Cheating | 2. Cheating    |                             | 0         |
| 25 | India   | Chandigarh        | 2002 | Serious Fraud - Cheating | 2. Cheating    |                             | 0         |
| 26 | India   | Chhattisgarh      | 2002 | Serious Fraud - Cheating | 2. Cheating    |                             | 16        |
| 27 | India   | Daman & Diu       | 2002 | Serious Fraud - Cheating | 2. Cheating    |                             | 0         |
| 28 | India   | Goa               | 2002 | Serious Fraud - Cheating | 2. Cheating    |                             | 1 NULL    |
| 29 | India   | Gujarat           | 2002 | Serious Fraud - Cheating | 2. Cheating    |                             | 10        |
| 30 | India   | Haryana           | 2002 | Serious Fraud - Cheating | 2. Cheating    |                             | 0         |
| 31 | India   | Himachal Pradesh  | 2002 | Serious Fraud - Cheating | 2. Cheating    |                             | 0         |
| 32 | India   | Jammu & Kashmir   | 2002 | Serious Fraud - Cheating | 2. Cheating    |                             | 0         |
| 33 | India   | Karnataka         | 2002 | Serious Fraud - Cheating | 2. Cheating    |                             | 4         |
| 34 | India   | Madhya Pradesh    | 2002 | Serious Fraud - Cheating | 2. Cheating    |                             | 0         |
| 35 | India   | Maharashtra       | 2002 | Serious Fraud - Cheating | 2. Cheating    |                             | 30        |
| 36 | India   | Meghalaya         | 2002 | Serious Fraud - Cheating | 2. Cheating    |                             | 0         |

Extracted dataset (added column: Country)



**THANK YOU !!**

---