

अपराध निरीक्षण | June 2022

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अपराध निरीक्षण

BY HACKY ROOTS

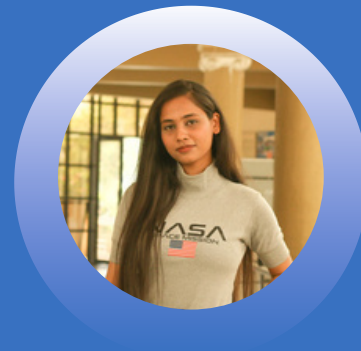
HACKY ROOTS



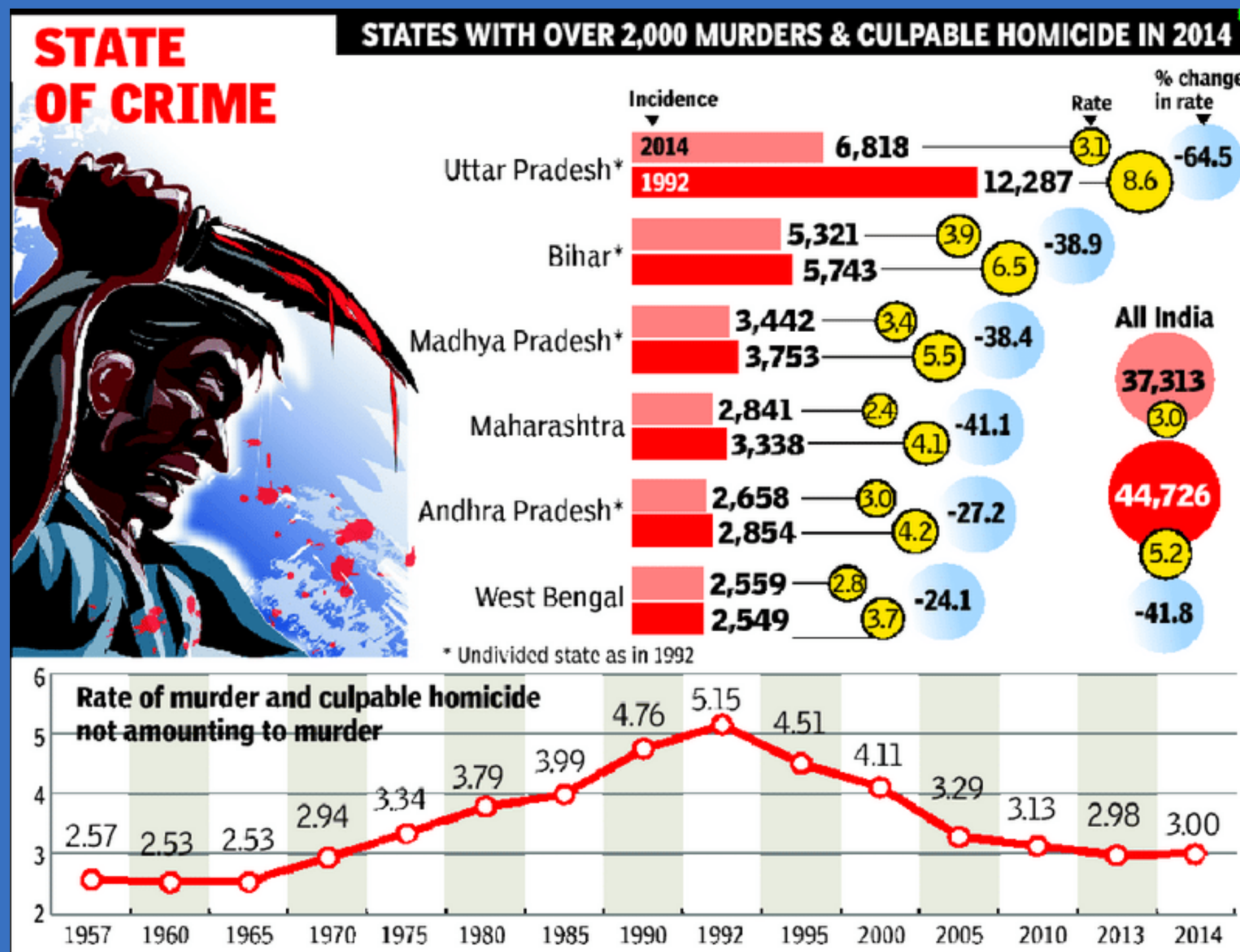
**MAHIPALSINGH
RAJPUROHIT**



PRATHAM MODI



SAKSHI JINDAL



India most dangerous nation for women: Poll

Naomi Canton

London: India is considered to be the most dangerous country in the world for women, according to a poll by Thomson Reuters Foundation published on Tuesday.

The survey ranks India as more dangerous for women than war-torn Afghanistan and Syria, which came in second and third place, respectively. India is also seen as more dangerous for women than Somalia, which came fourth and has been mired in conflict since 1991, and Yemen, which came eighth and is suffering from an urgent humanitarian crisis.

A total of 548 global experts on women's issues, 43 of whom are based in India, were asked questions relating to risks faced by women in six areas: healthcare, access to economic resources and discrimination, customary practices, sexual violence, non-

AT RISK?

Thomson Reuters Foundation poll for most dangerous countries for women

2018	2011
1 India	1 Afghanistan
2 Afghanistan	2 Democratic Republic of Congo
3 Syria	3 Pakistan
4 Somalia	4 India
5 Saudi Arabia	5 Somalia

sexual violence, and human trafficking.

India came out worst overall, and specifically worst for women in human trafficking, sexual violence and in relation to cultural, religious and tribal traditions.

When the London-based philanthropic arm of Thomson Reuters carried out the same poll in 2011, India was ranked fourth, ahead of Pakistan. This time Pakistan, in sixth place, was considered safer than India for women.

"There was an outcry in India after the 2012 Delhi gang

rape, so you would have thought things would have improved, but that does not seem to be the case even though new laws have been introduced and more women are reporting sexual crimes," said Thomson Reuters Foundation CEO Monique Villa.

In this poll, India ranked specifically as the most dangerous country for sexual violence against women, which included domestic rape, rape by a stranger, sexual harassment and the lack of access to justice in rape cases.

Full report on www.tol.in



Problem Statement

TRACK-5: Crime Data Analysis

Explanation:

Criminology is an area where the scientific study of crime and criminal behavior focuses. As part of criminology, crime analysis is tasked with exploring and discovering crime and its relationship with criminals.

Expectation:

Provide an Interface/Application that accepts police investigation data that examines and results in meaningful observations to extract knowledge from crime records to understand criminal behavior better and ultimately prevent future crimes.

Solution



अपराध निरीक्षण is a one-stop solution which provides an interface for the criminal justice professionals to analyze the data collected from past crimes.

It analyzes the past crime data of 2016 to find patterns of crime happening, and processes the data to analyze factors that lead to criminal activity.

- **Graphical Representation of crime rates in States / Union Territories.**
- **Map View of Crime Rates.**
- **Evaluation of crime pattern around India. Based on gender, age & cast.**
- **Men & Women ratio in crime**



Tech Stacks

- R language
- R Shiny
- Javascript
- CSS



What is Crime Data Analysis ?

- Crime analysis is not simply crime counts or the change in crime counts—that is just information about crime and not an analysis of crime.
- Crime analysis is a deep examination of the relationships between the different criminogenic factors (e.g., time, place, socio-demographics) surrounding crime or disorder that helps us understand why it occurs.
- Sound crime analysis diagnoses problems so a response may be tailored to cure it, or reduce the frequency and severity of such problems.

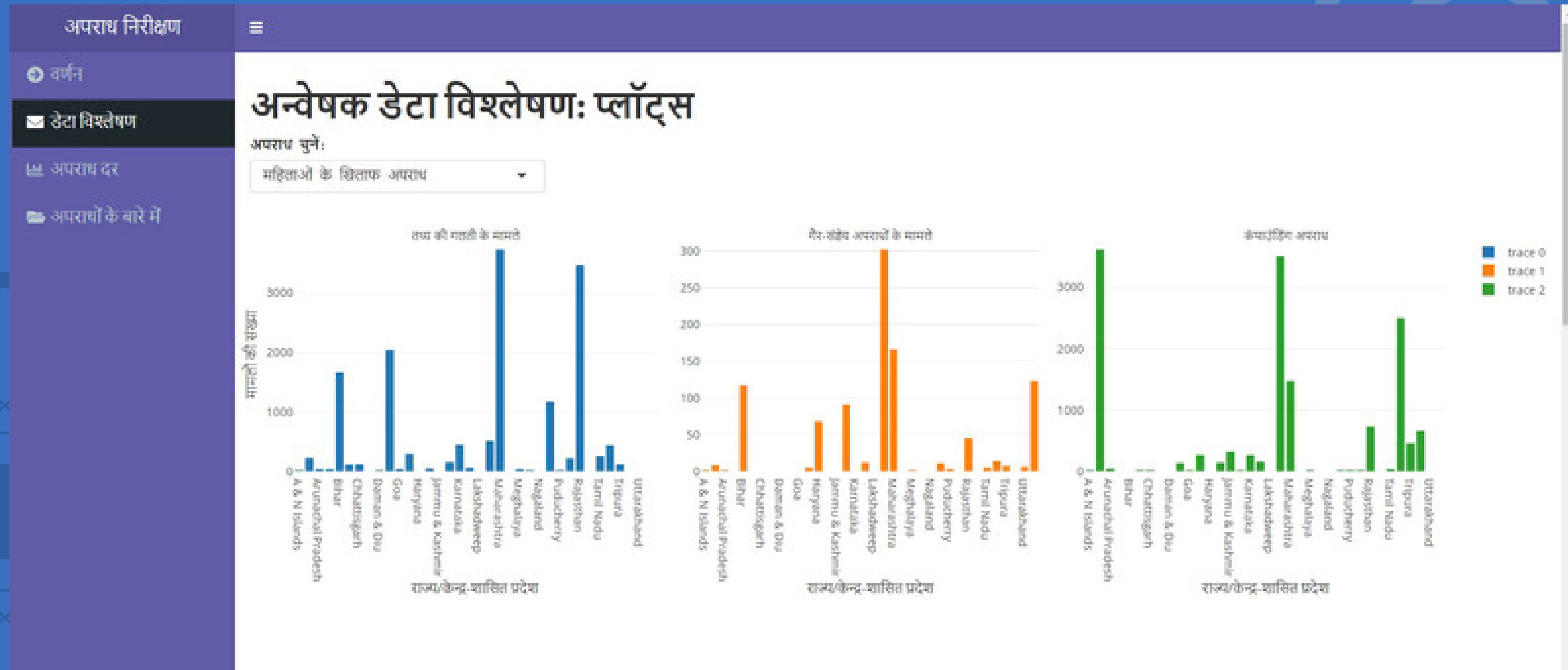
Why Data Analysis is important in Crime Justice?

- Data analytics works by bringing together large amounts of data in a variety of ways in an attempt to uncover previously unseen patterns.
- Instead of working with one or two data points, data analytics uses the power of computer processing to bring together and correlate dozens or even hundreds of data points.
- In the case of the criminal justice system, data analysts can correlate criminal justice data (crime rates, recidivism rates, drug conviction numbers, etc.) with data from other sources (poverty rates, educational attainment, work history, etc.) to find patterns that can help improve the quality and efficiency of the justice system.

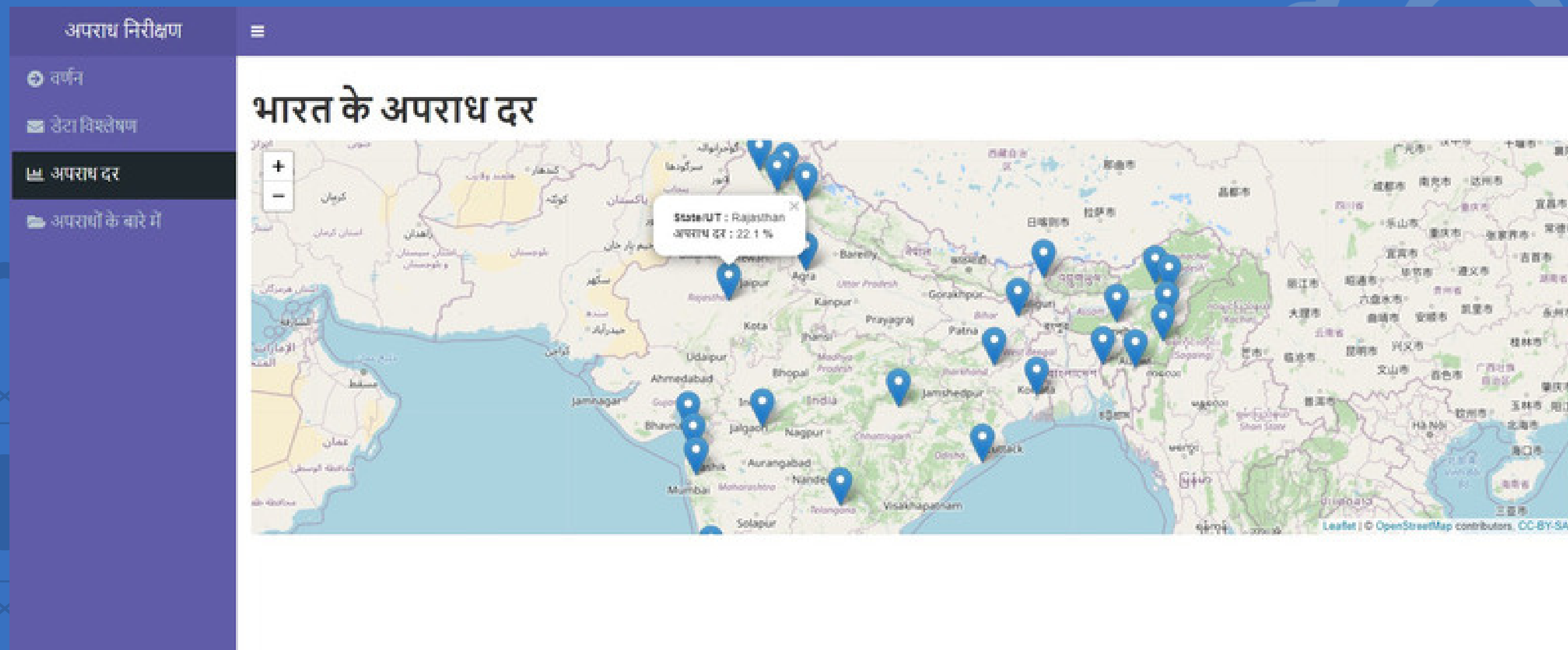
Major Features of अपराध निरीक्षण

- The dataset was obtained from official Government page of data.gov.in. It consists of the crime data of the states of India for the year 2016.
- Considered the major 4 crimes that happened in India (Crimes against Women, Children, Senior Citizens and SC/ST).
- Found Crime Rate plots, obtained various plots & analysed them to draw inferences.

Crime Graph



Crime Rate Map View



Github Repository

<https://github.com/mahipurohit1/Apradh-Nirikshan>





Contact details

FEEDBACKS ARE WELCOMED :D

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