CAPSTONE
PROJECT

CRIME AGAINST WOMEN IN INDIA

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Agenda

Project Context

Crime against women, including domestic violence, sexual harassment and assault , remain pervasive issues worldwide, affecting women's safety, dowry death and overall well-being. Despite various legal frameworks and societal efforts, the incidence of these crimes continues to be alarmingly high. These issues affecting millions of women globally. The complexity of this issue is further compounded by underreporting, social stigmas, and the ine ciency of preventive measures.

Project Overview

- This project aims to develop interactive and insightful dashboards using Power BI for analyzing crime against women in India from 2001 to 2014.

- The dashboards will focus on key metrics such as crime rates, trends over time, and geographical distribution, providing a visual representation of critical data to enhance policy-making and awareness.

Problem Statements

- **Analyzing Trends Over Time:** What are the trends in crime rates over time, and how do they vary by state and district?

- **Crime Distribution by State:** How is crime distributed across different states?

- **Total Reported Cases by State:** How do total crime cases differ across various demographics?

- **Identifying High-Risk Areas:** Analyzing the states with significantly higher numbers of reported cases.

Problem Statements

- **Calculating the Percentage of Each Crime:** Analyzing the distribution of different types of crimes against women from 2001 to 2014 to determine the relative prevalence of each crime type.

Methodology.
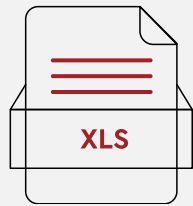
Extracting Data:

The first step involves extracting crime statistics from the "Crime Against Women 2001-2014" dataset provided by government official site.

Data Preprocessing:

The datasets were thoroughly analyzed, and all records were filtered to isolate the total number of cases for each state.

Identifying Key Metrics:

Identify crucial metrics, including crime rate trends over the years, geographic hotspots with high crime rates and high risk areas.

Contextual Analysis:

Dashboards were developed based on the cleaned dataset to facilitate an in-depth analysis of the factors that may contribute to crimes against women.

Insights

Analyzing Trends Over Time:

This dashboard presents a comprehensive analysis of various crimes against women from 2000 to 2014. Crimes such as cruelty by husband or his relatives, kidnapping and abduction, and assault on women to outrage her modesty have shown alarming growth over the years.
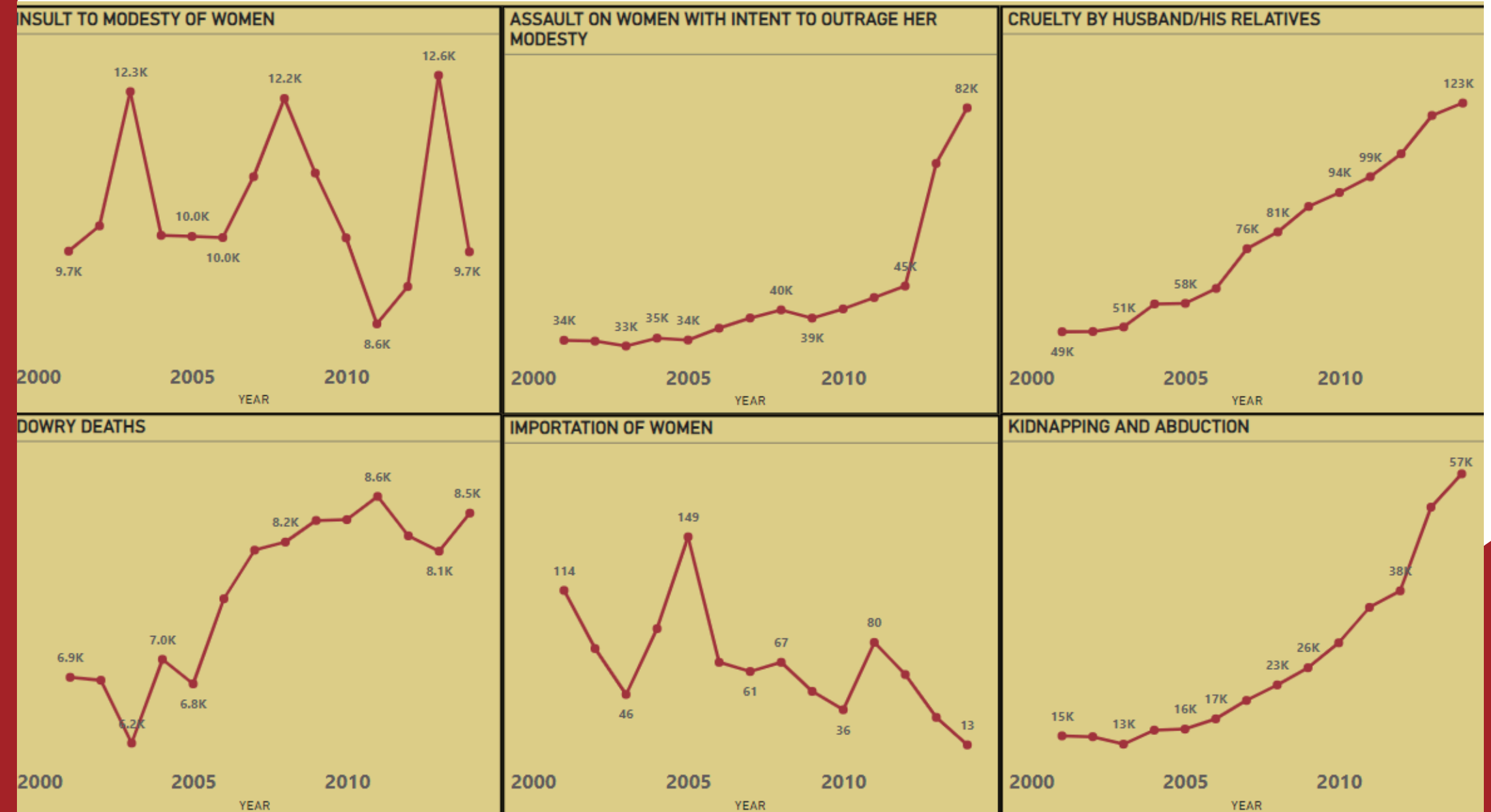
Insights

Total Reported Cases by State:

This dashboard presents a comprehensive analysis of total crime by states from 2000 to 2014. The darker shades on the map indicate regions with a higher number of reported cases of crimes against women, highlighting geographical hotspots.
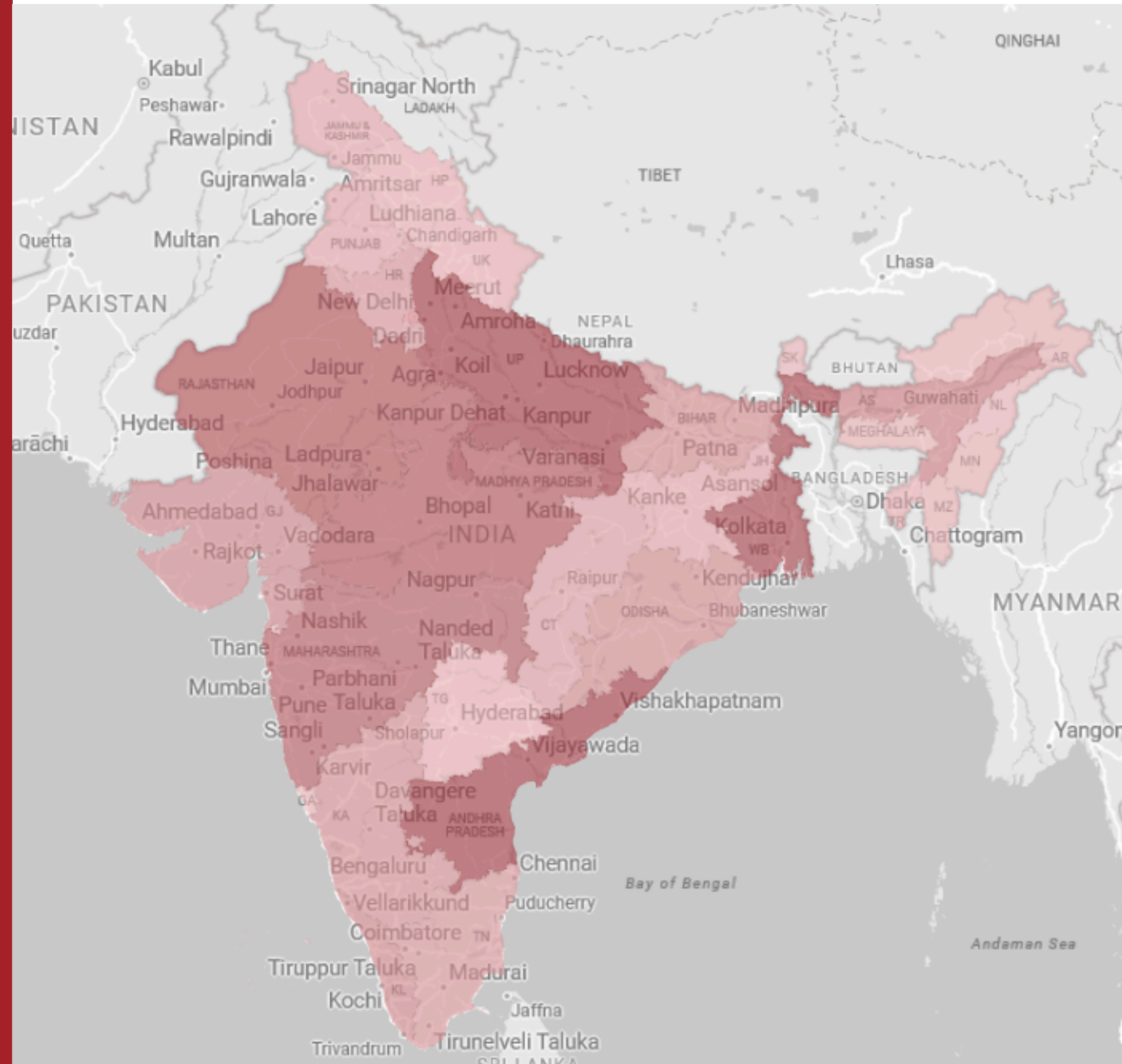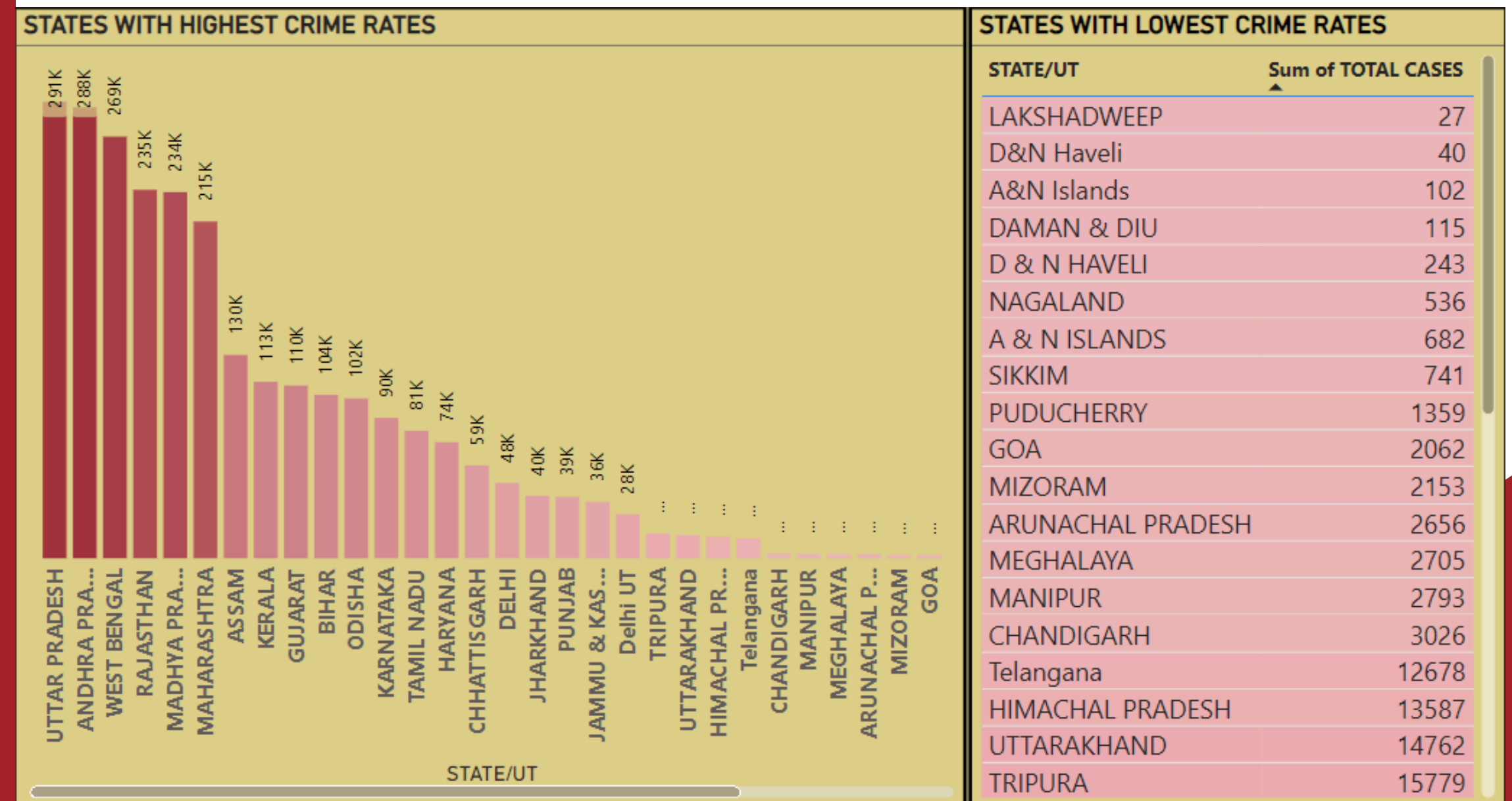
Insights

Identifying High-Risk Areas:

This bar graph and table illustrates the most high risky areas. Uttar Pradesh, Andhra Pradesh, and West Bengal report the highest crime rates against women, while Lakshadweep, D&N Haveli and A&N Islands show the lowest, highlighting significant regional disparities in crime prevalence.

STATES WITH HIGHEST CRIME RATES

Bar chart (STATE/UT):
- UTTAR PRADESH: 291K
- ANDHRA PRA...: 288K
- WEST BENGAL: 269K
- RAJASTHAN: 235K
- MADHYA PRA...: 234K
- MAHARASHTRA: 215K
- ASSAM: 130K
- KERALA: 113K
- GUJARAT: 110K
- BIHAR: 104K
- ODISHA: 102K
- KARNATAKA: 90K
- TAMIL NADU: 81K
- HARYANA: 74K
- CHHATTISGARH: 59K
- DELHI: 48K
- JHARKHAND: 40K
- PUNJAB: 39K
- JAMMU & KAS...: 36K
- Delhi UT: 28K
- TRIPURA
- UTTARAKHAND
- HIMACHAL PR...
- Telangana
- CHANDIGARH
- MANIPUR
- MEGHALAYA
- ARUNACHAL P...
- MIZORAM
- GOA

STATES WITH LOWEST CRIME RATES

STATE/UT	Sum of TOTAL CASES
LAKSHADWEEP	27
D&N Haveli	40
A&N Islands	102
DAMAN & DIU	115
D & N HAVELI	243
NAGALAND	536
A & N ISLANDS	682
SIKKIM	741
PUDUCHERRY	1359
GOA	2062
MIZORAM	2153
ARUNACHAL PRADESH	2656
MEGHALAYA	2705
MANIPUR	2793
CHANDIGARH	3026
Telangana	12678
HIMACHAL PRADESH	13587
UTTARAKHAND	14762
TRIPURA	15779

Insights

Percentage of each crime:

The pie chart illustrates the percentage distribution of various crimes against women in India, with crime such as cruelty by husbands/relatives being the most prevalent at 41.98% and Assualt on women to outrage her modesty with 22.78%

- Assault on women with intent to outrage her...
- Cruelty by Husband or his Relatives
- Dowry Deaths
- Importation of Girls
- Insult to modesty of Women
- Kidnapping and Abduction
- Rape

22.78%
11.63%
14.02%
5.5%
0.04% 4.05%
41.98%
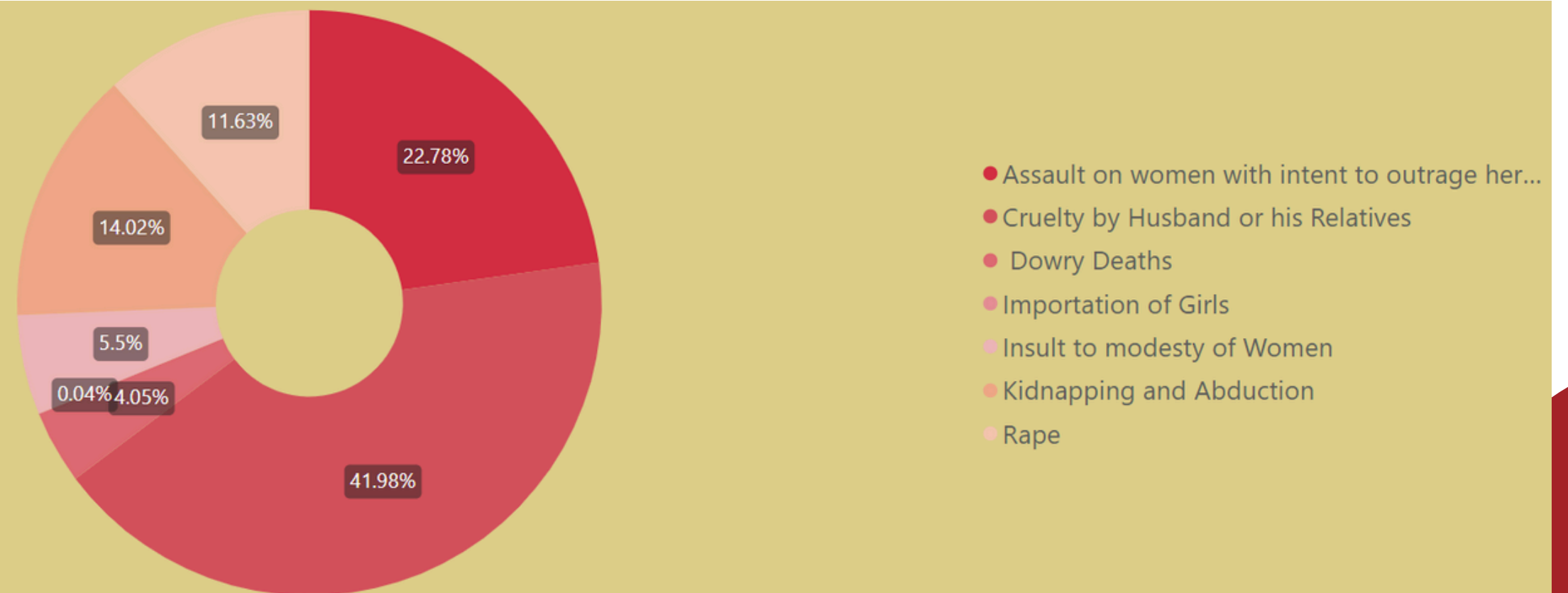
Insights

Crime Distribution by State:

STATE/UT: This filter allows users to select a specific state or union territory for analysis. The default option is "All," which includes data from all states and union territories.

Year: This filter enables users to choose a specific year or range of years for data visualization. The default range is 2001 to 2014.

Insights

Crime Statistics in India:

The infographics presents the total number of crimes with 3 million and rapes with number of 310,000 in India, along with the average crime rate of 5,420.
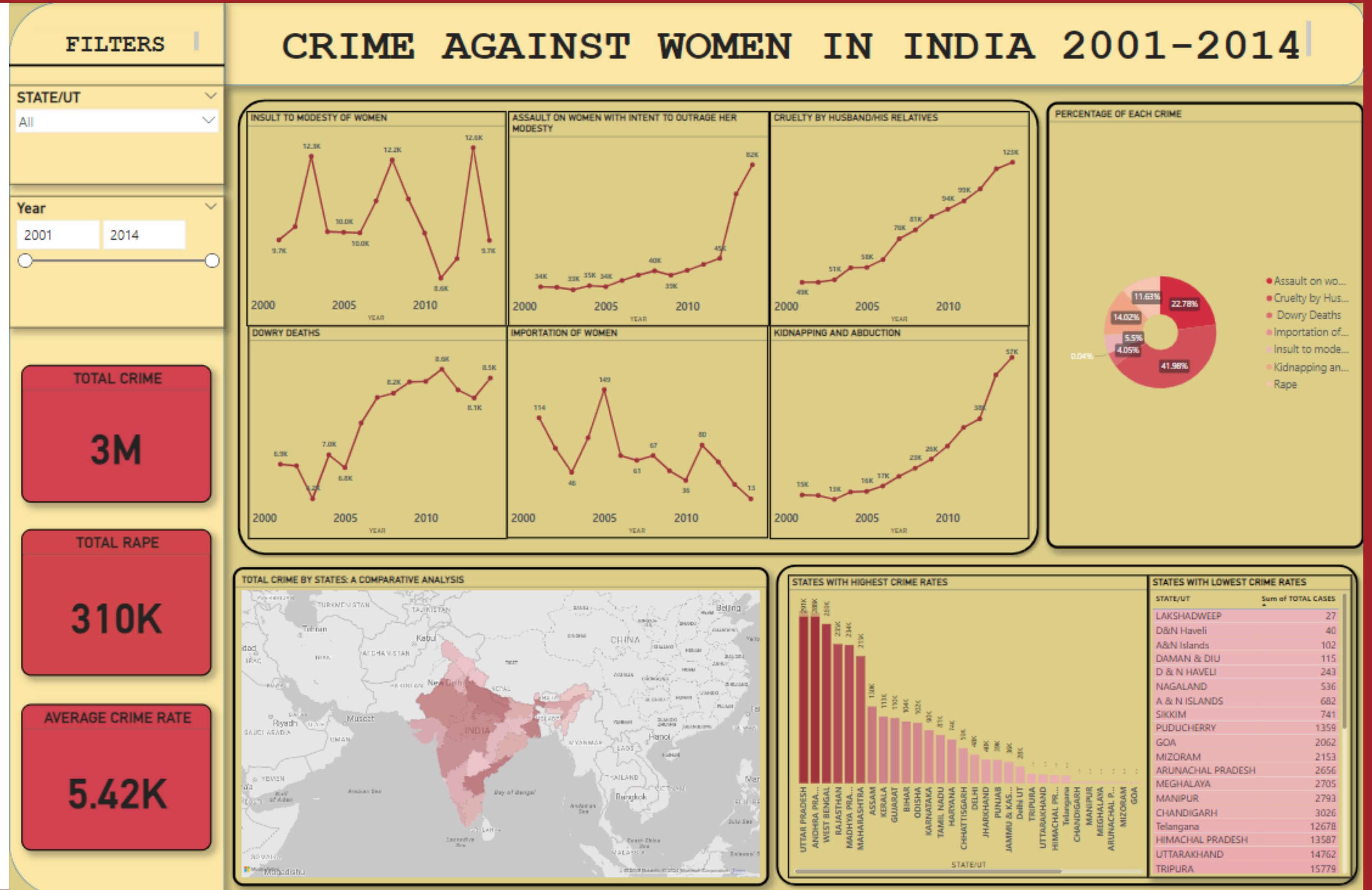
TOTAL CRIME

3M

TOTAL RAPE

310K

AVERAGE CRIME RATE

5.42K

Dash board

CRIME AGAINST WOMEN IN INDIA 2001-2014

FILTERS

STATE/UT
All

Year
2001 — 2014

TOTAL CRIME
3M

TOTAL RAPE
310K

AVERAGE CRIME RATE
5.42K

INSULT TO MODESTY OF WOMEN

ASSAULT ON WOMEN WITH INTENT TO OUTRAGE HER MODESTY

CRUELTY BY HUSBAND/HIS RELATIVES

DOWRY DEATHS

IMPORTATION OF WOMEN

KIDNAPPING AND ABDUCTION

PERCENTAGE OF EACH CRIME

- Assault on wo...
- Cruelty by Hus...
- Dowry Deaths
- Importation of...
- Insult to mode...
- Kidnapping an...
- Rape

11.63%
14.02%
22.78%
5.5%
4.05%
0.04%
41.98%

TOTAL CRIME BY STATES: A COMPARATIVE ANALYSIS

STATES WITH HIGHEST CRIME RATES

STATES WITH LOWEST CRIME RATES

STATE/UT	Sum of TOTAL CASES
LAKSHADWEEP	27
D&N Haveli	40
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Conclusion

In conclusion, the presented data serves as a crucial tool for understanding the complex issue of crime against women in India. It provides valuable insights for policymakers, researchers, and advocates to develop targeted interventions and strategies to promote women's safety and empowerment.

The presented data provides a comprehensive overview of the trends and patterns in crimes against women in India between 2001 and 2014. Key findings include:

- Increasing Crime Rates: While there has been a slight decrease in some categories, overall crime against women has shown a steady increase over the decade.

- Dominant Crimes: Insult to modesty, assault, and cruelty by husbands or relatives emerged as the most prevalent types of crimes.

- Regional Disparities: The analysis highlights significant variations in crime rates across different states and union territories, with some regions experiencing significantly higher levels of violence against women.

- Challenges and Opportunities: The data underscores the urgent need for effective measures to address the root causes of gender-based violence, such as societal attitudes, legal frameworks, and law enforcement practices.