

CRIMES AGAINST WOMEN IN INDIA

Assumptions & Methodology

(NCRB + Census 2011)

DATA SOURCES, ANALYTICAL SCOPE AND INTERPRETATION GUIDELINES

DATA SOURCES

- Crime data: *National Crime Records Bureau (NCRB)*
- Socio-economic indicators: *Census of India, 2011*
- Geographic granularity: District-level analysis, aggregated to State where required

ANALYTICAL SCOPE

- This analysis examines patterns and associations, not causation
- Focus is on structural and socio-economic relationships with crimes against women
- Findings should be interpreted as *indicative trends, not causal conclusions*

INTERPRETATION GUIDELINES

- Observed relationships indicate *association, not causality*
- Crime density reflects *relative risk, not absolute crime burden*
- Rural–urban comparisons should be interpreted in socio-economic context



KEY ASSUMPTIONS

1) Reported vs Actual Crimes

- All figures represent reported cases only
- Differences may reflect reporting awareness, access to law enforcement, and institutional reach, not just crime prevalence

2) Temporal Alignment

- Socio-economic indicators are sourced from Census 2011
- Crime patterns are analyzed assuming relative structural stability of socio-economic factors over time

3) Aggregation Logic

- Absolute crime counts are aggregated using SUM
- Crime density is expressed as crimes per 1,000 population
- Socio-economic indicators are analyzed using percentages or per-capita measures



RURAL URBAN CLASSIFICATION (CUSTOM LOGIC)

RURAL-URBAN CLASSIFICATION (CUSTOM LOGIC)

Districts are classified based on dominant living structure, not administrative labels

A district is classified as **RURAL** if:

- $\geq 50\%$ of *households* are rural
- $\geq 50\%$ of *population* resides in rural households

All remaining districts are classified as **URBAN**

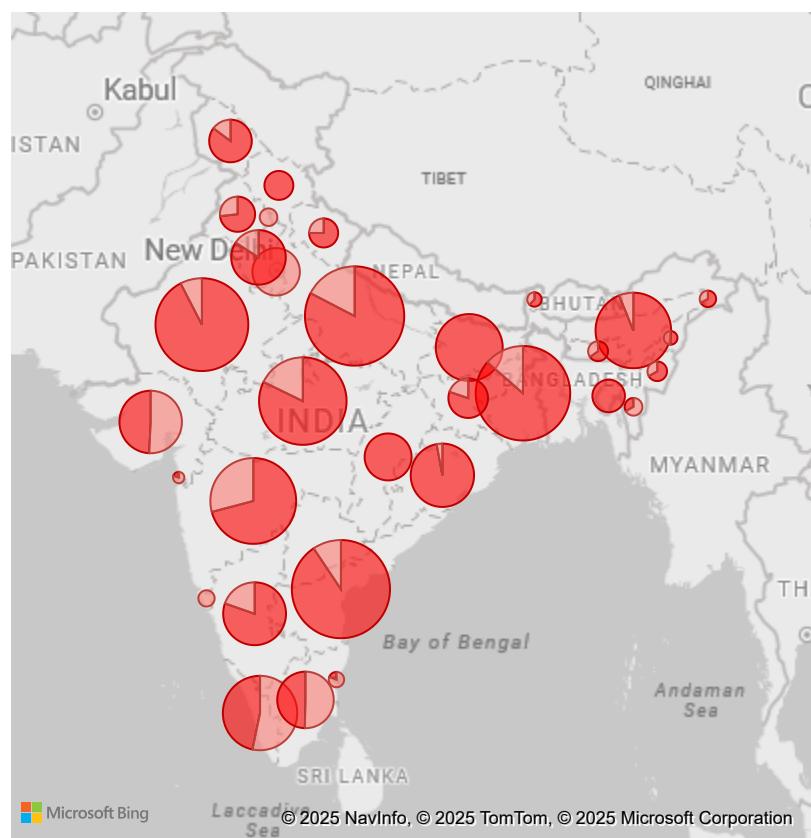
This approach ensures rural–urban comparisons reflect settlement patterns rather than administrative boundaries.



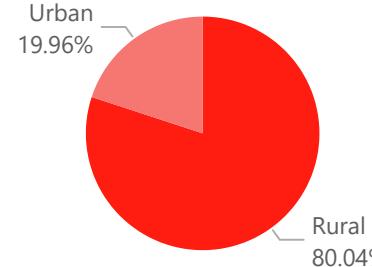
Crimes against Women (Rural vs. Urban) - State-wise Analysis (2011 Census and NCRB dataset)

Total Crimes against Women reported by State name

Rural/Urban ● Rural ● Urban



Average of Crimes against Women reported by Rural/Urban



Total Crimes against Women reported

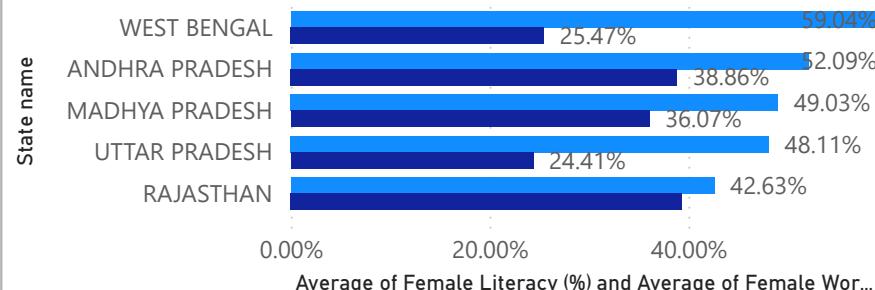
194K

Avg Crimes against Women reported per District

320.75

Avg. of Female Literacy (%) and Avg. of Female Workers (%) - Top 5 States by Total Crimes against Women

● Average of Female Literacy (%) ● Average of Female Workers (%)



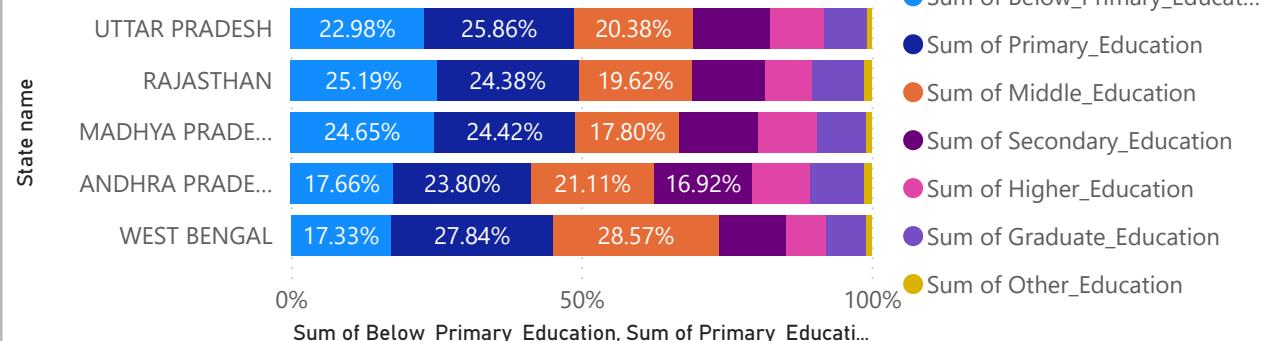
Female Literacy (%) - Median Value

54.31%

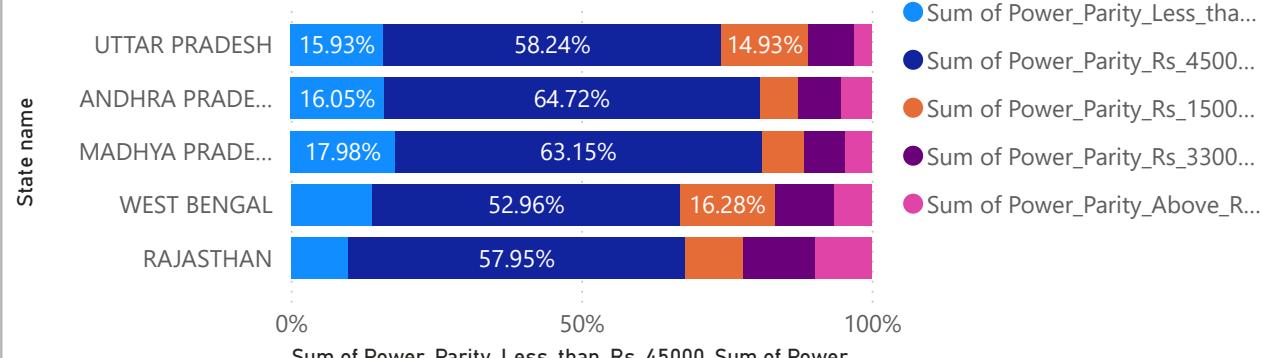
Female Workforce (%) - Median Value

33.39%

Education Levels as Proportion of Total Education levels reported (%) - Top 5 States by Total Crimes against Women

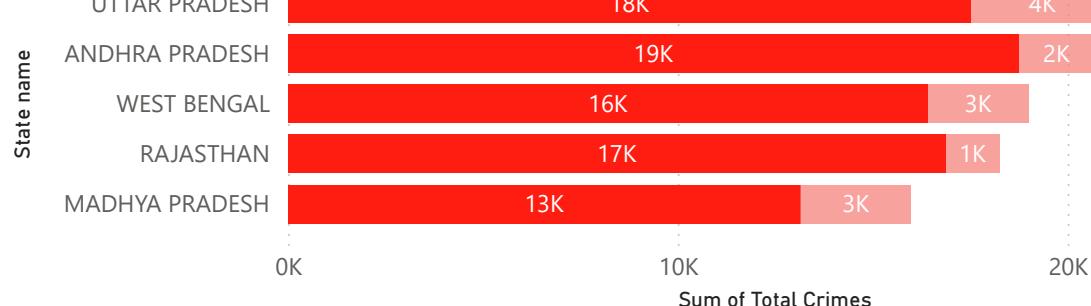


PP Levels as Proportion of Total PP reported (%) - Top 5 States by Total Crimes against Women



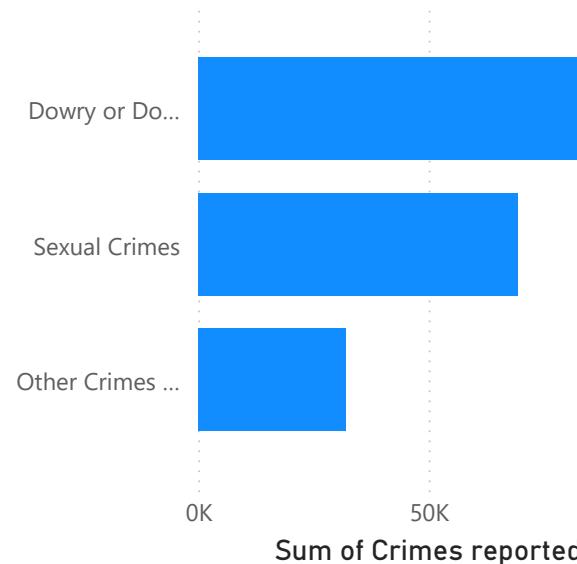
Top 5 States by Total Crimes against Women reported

Rural/Urban ● Rural ● Urban

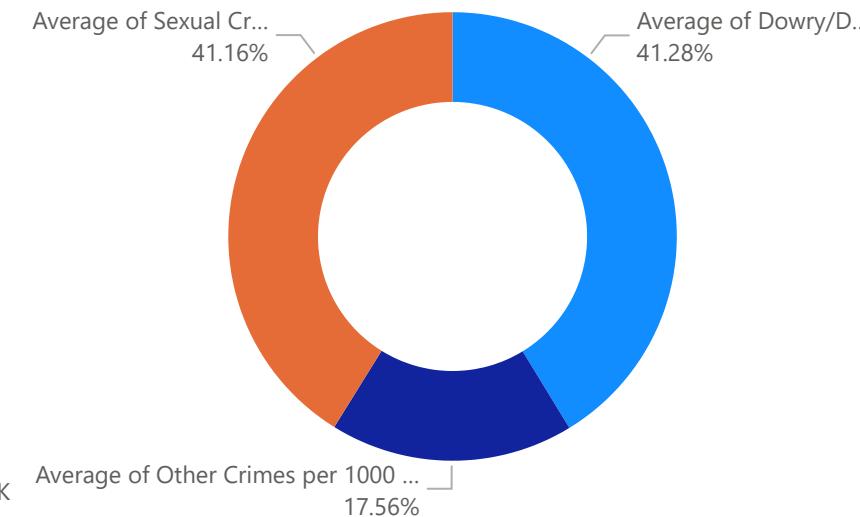


Crimes against Women - Categorical Analysis (2011 Census and NCRB dataset)

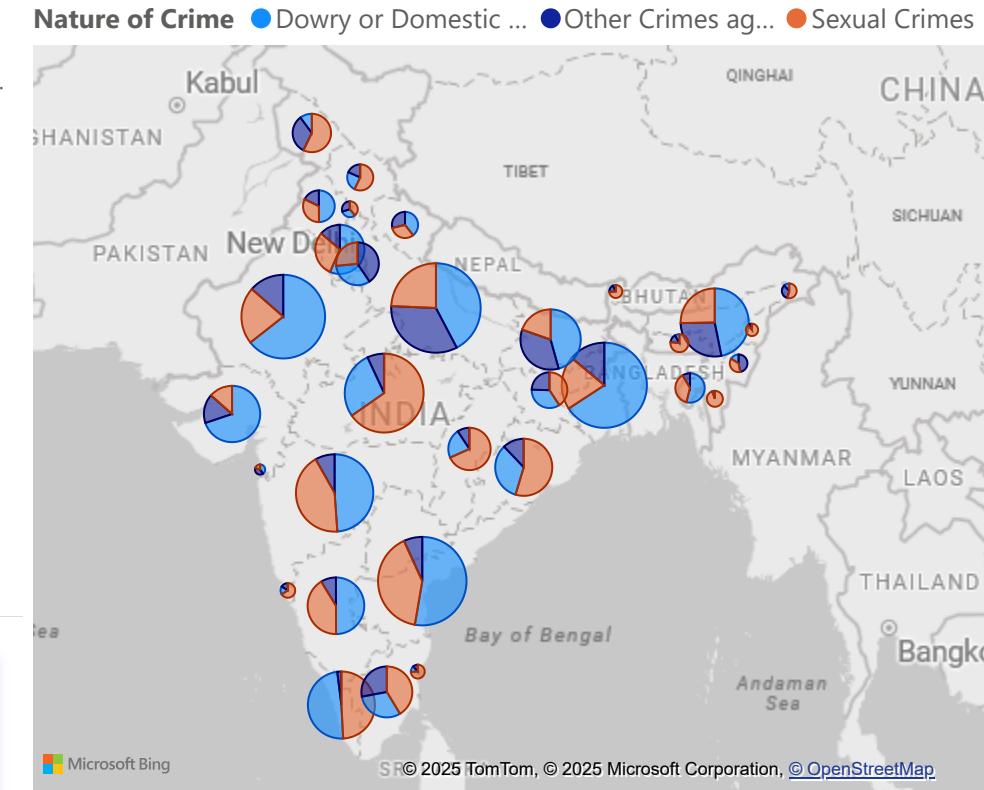
Average of Crimes against Women reported in each Category



Crime Density (Type of Crime per 1000 population)



Total Crimes against Women reported by State name



Sum of Dowry or Domestic Crimes

92K

Sum of Sexual Crimes

69K

Sum of Other Crimes against Women

32K

Average of Dowry/Domestic Crimes per 1000 population

0.07

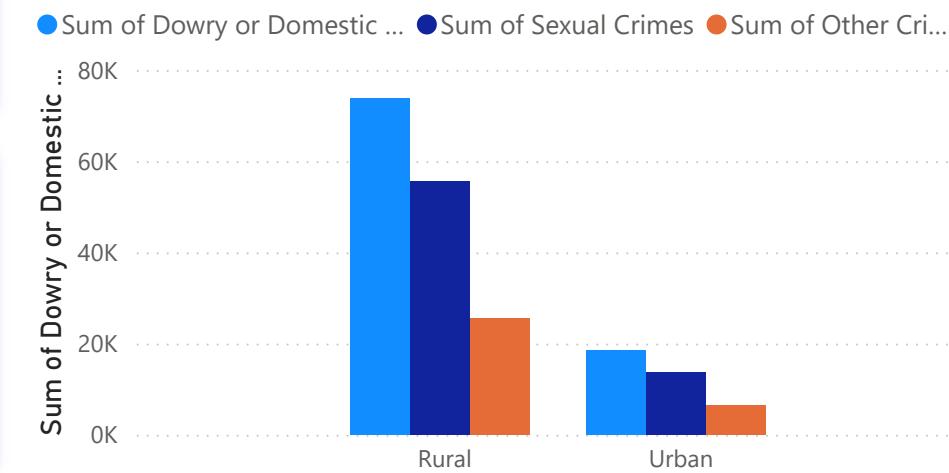
Average of Sexual Crimes per 1000 of population

0.07

Average of Other Crimes per 1000 of population

0.03

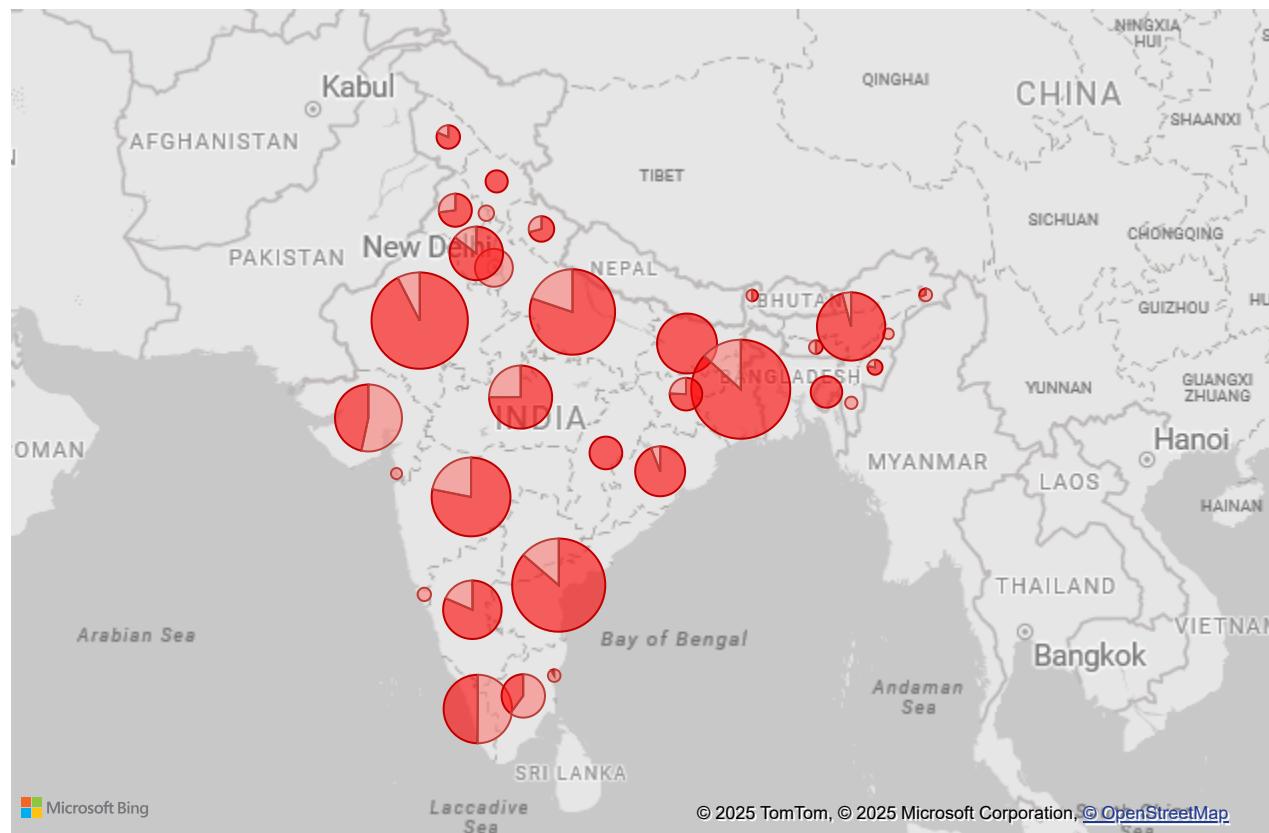
Total Crimes in categories in Rural vs Urban



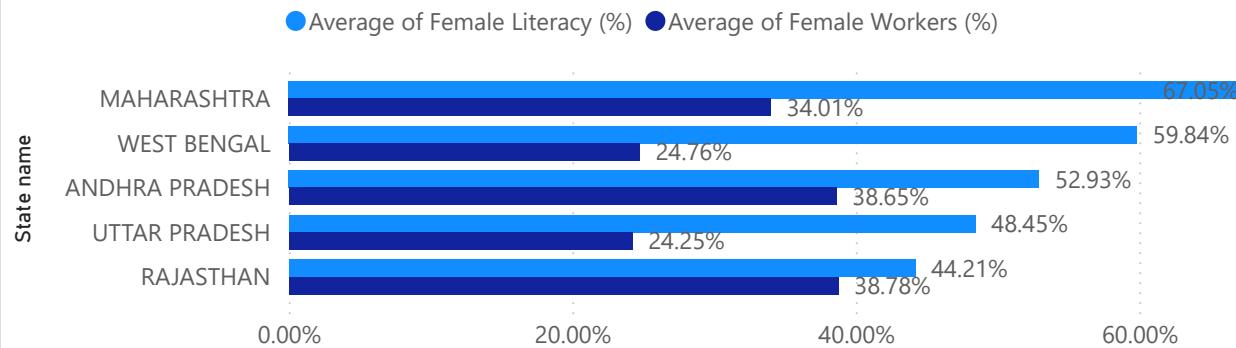
Dowry/Domestic Crimes vs. Socio-economic factors - Analysis (2011 Census & NCRB dataset)

Total Dowry/Domestic Crimes reported by State name

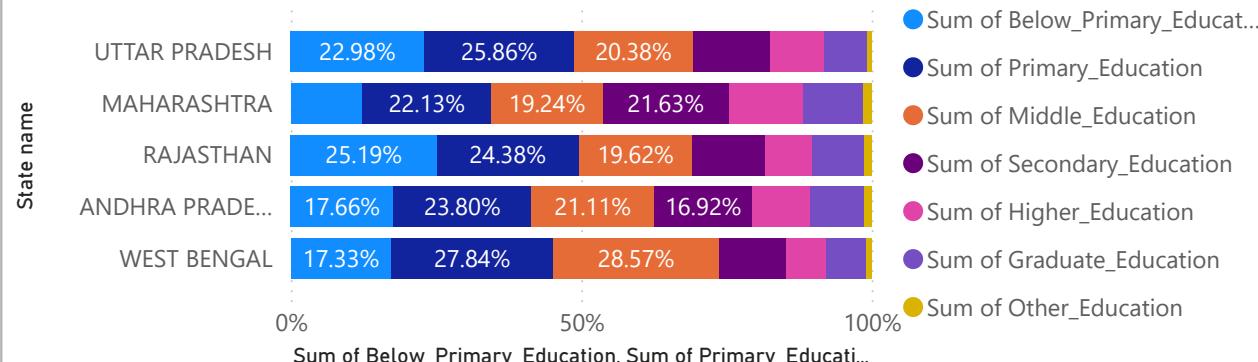
Rural/Urban ● Rural ● Urban



Avg. of Female Literacy (%) and Avg. of Female Workers (%) - Top 5 States by Total Dowry/Domestic Crimes

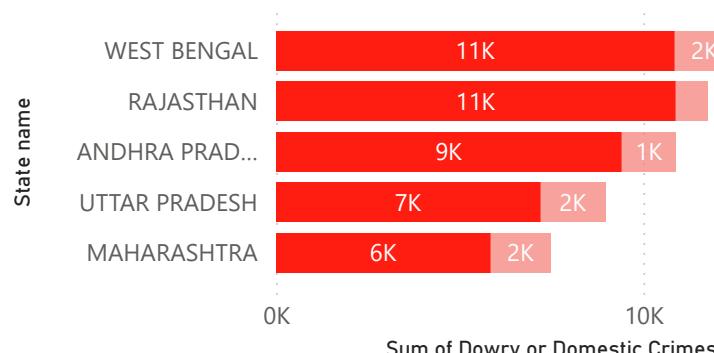


Education Levels as Proportion of Total Education levels reported (%) - Top 5 States by Dowry/Domestic cases



Top 5 States by number of Dowry/Domestic Cases

Rural/Urban ● Rural ● Urban



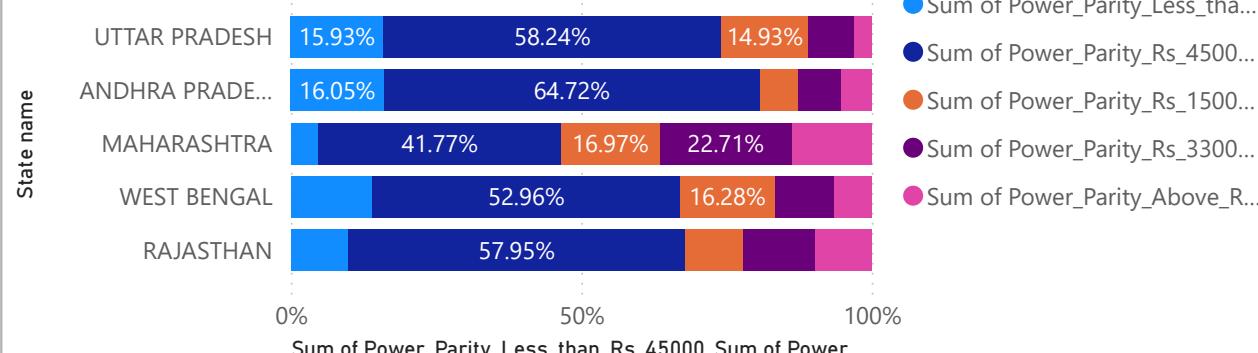
Total Dowry/Domestic Cases

92K

Average Dowry/Domestic cases by District

152.91

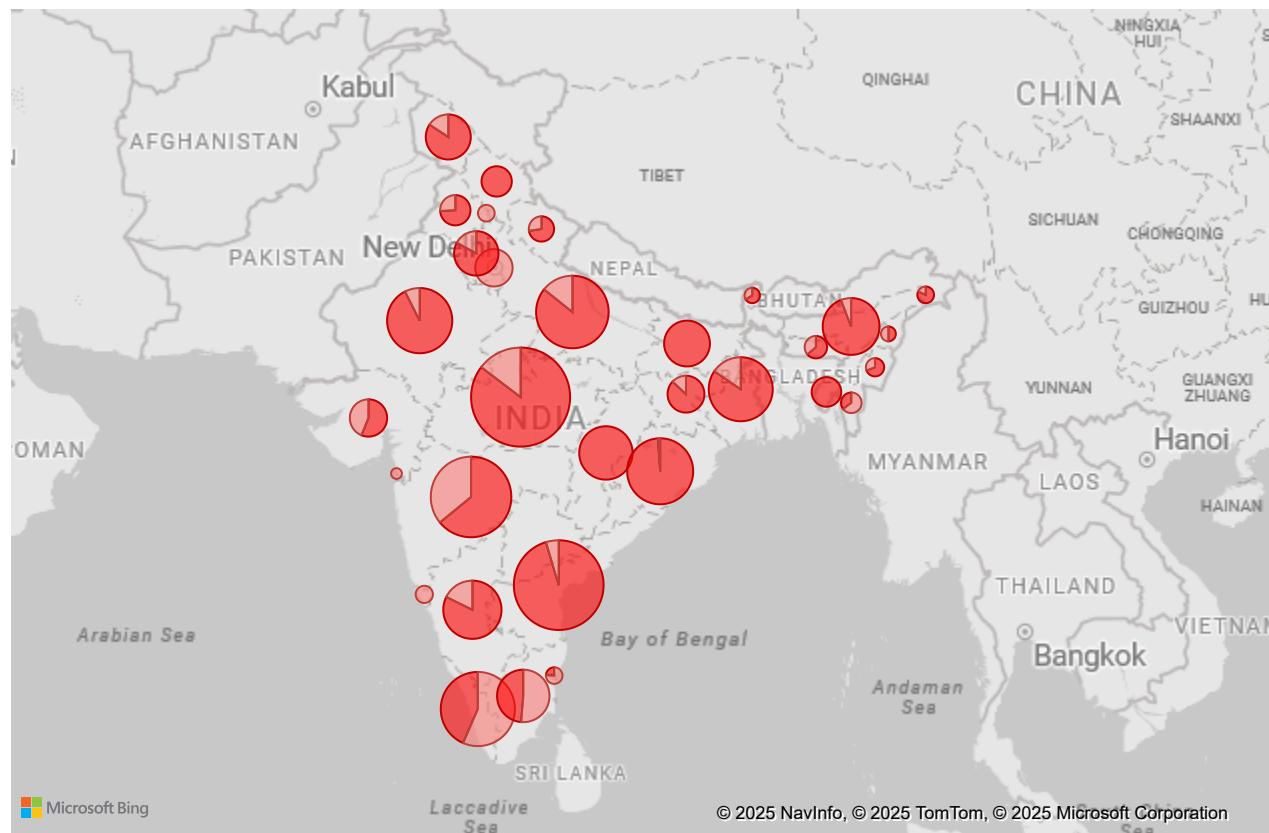
PP Levels as Proportion of Total PP reported (%) - Top 5 States by Dowry/Domestic cases



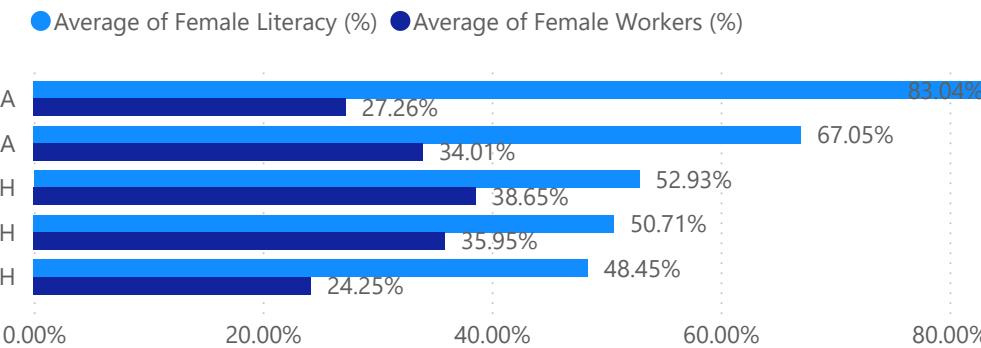
Sexual Crimes vs. Socio-economic factors - Analysis (2011 Census and NCRB dataset)

Total Sexual Crimes reported by State name

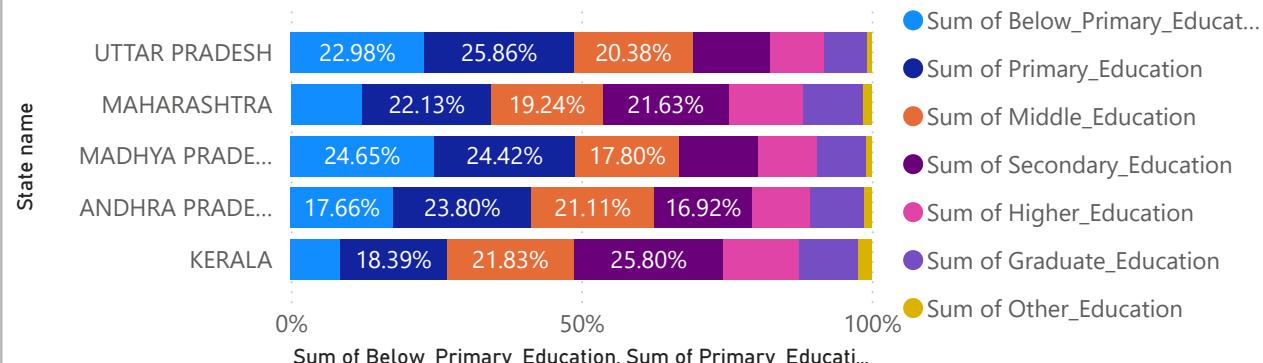
Rural/Urban ● Rural ● Urban



Avg. of Female Literacy (%) and Avg. of Female Workers (%) - Top 5 States by Total Sexual Crimes

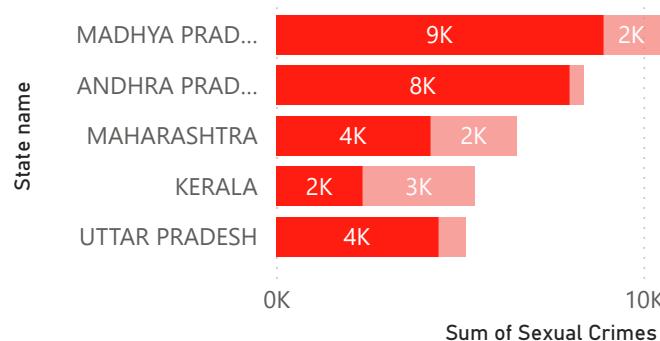


Education Levels as Proportion of Total Education levels reported (%) - Top 5 States by Sexual Crimes



Top 5 States by Total Sexual Crimes

Rural/Urban ● Rural ● Urban



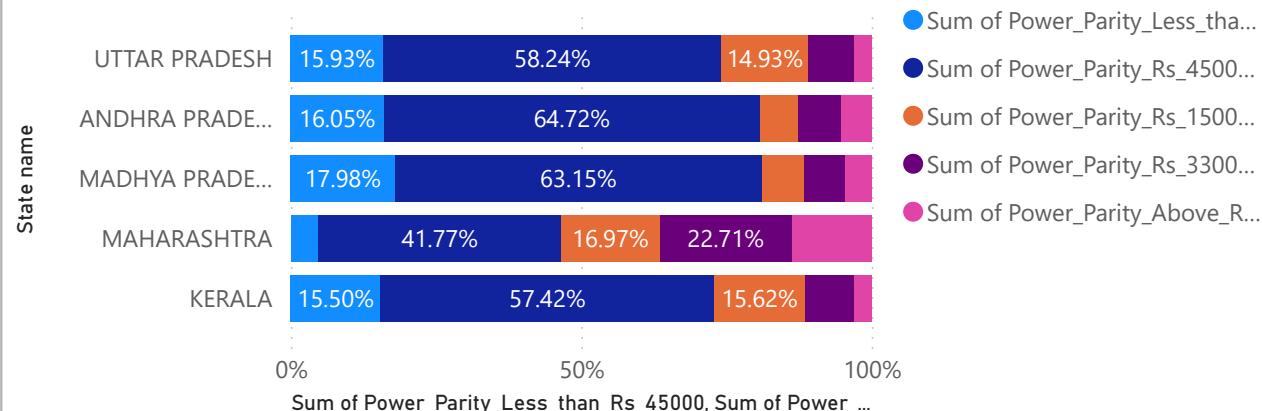
Total Sexual Crimes in India

69K

Average Sexual Crimes by District

114.79

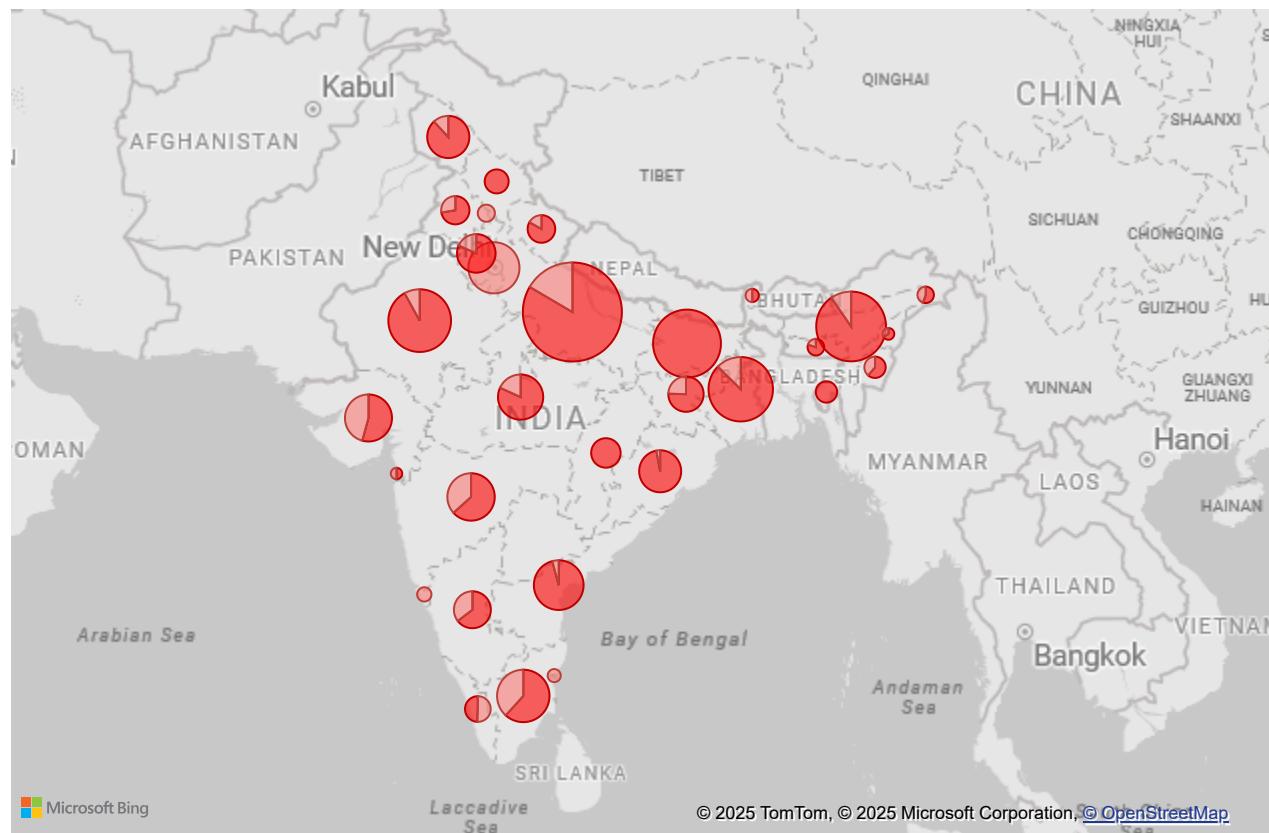
PP Levels as Proportion of Total PP reported (%) - Top 5 States by Sexual Crimes



Other Crimes against Women vs. Socio-economic factors - Analysis (2011 Census and NCRB dataset)

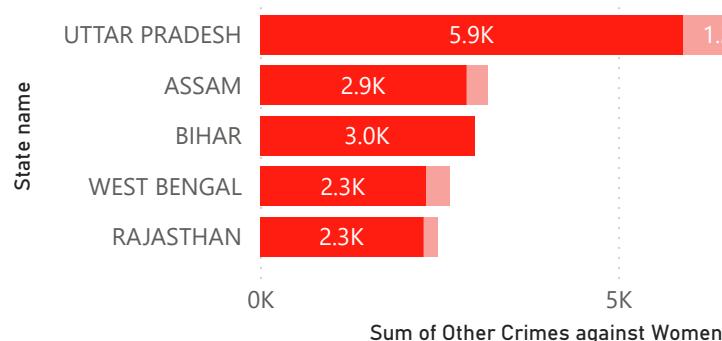
Total of Other Crimes reported by State name

Rural/Urban ● Rural ● Urban



Top 5 States by Total of Other Crimes

Rural/Urban ● Rural ● Urban



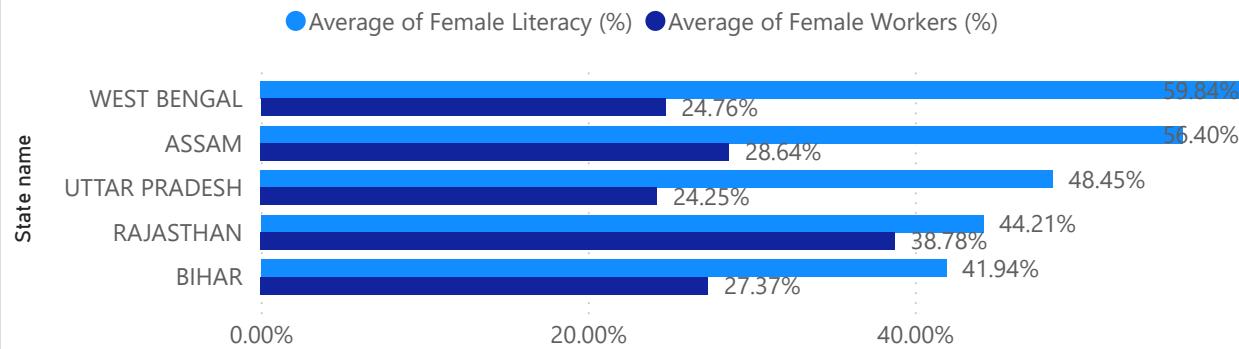
Total of Other Crimes in India

32K

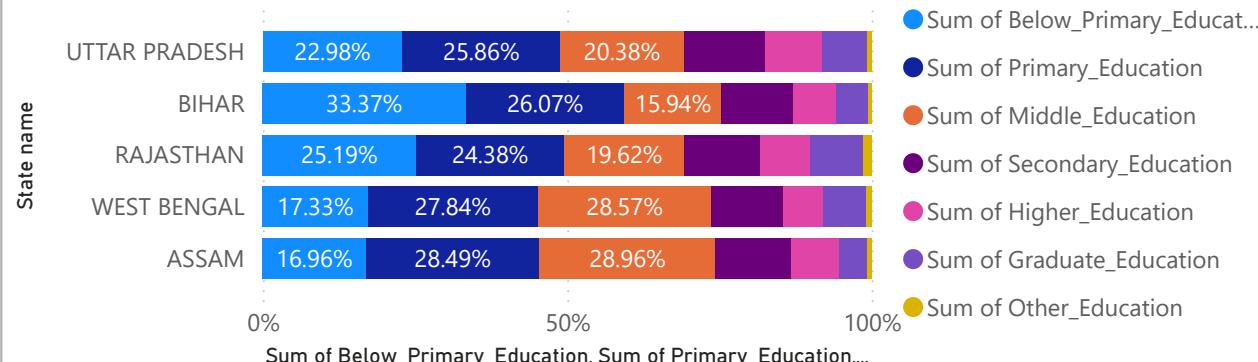
Average of Other Crimes by District

53.05

Avg. of Female Literacy (%) and Avg. of Female Workers (%) - Top 5 States by Total of Other Crimes



Education Levels as Proportion of Total Education levels reported (%) - Top 5 States by Total of Other Crimes



PP Levels as Proportion of Total PP reported (%) - Top 5 States by Total of Other Crimes

