VISUALISING CRIMES AGAINST WOMEN IN INDIA

A USER GUIDE

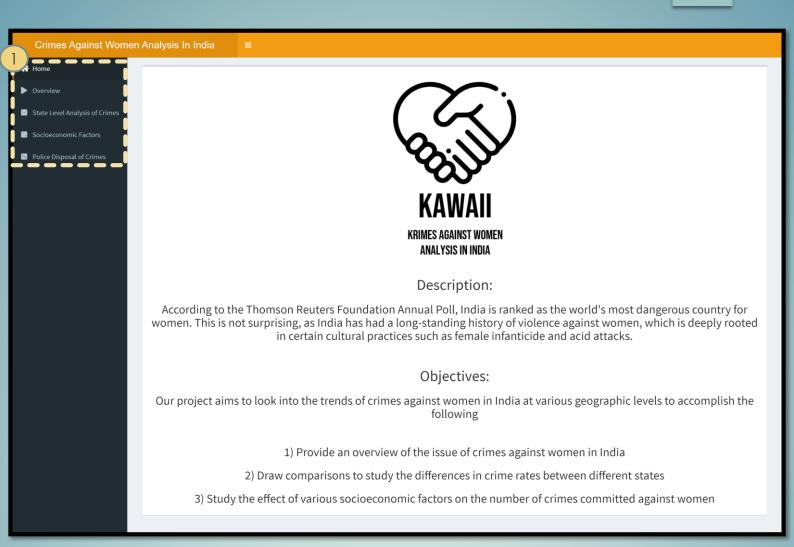
https://kawaii.shinyapps.io/finalapp/



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Homepage

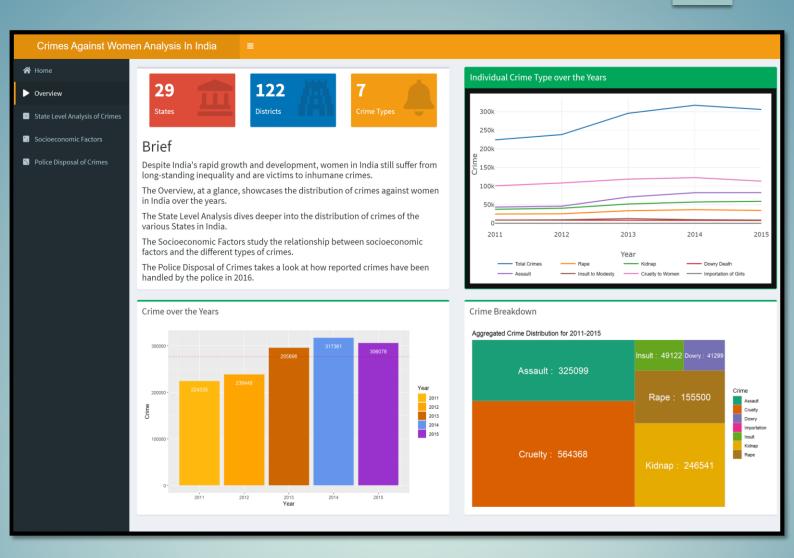


The KAWAII homepage gives an introduction to the problem of Crimes Against Women in India.



To navigate to other dashboards, click on the sidebar menu.

Overview



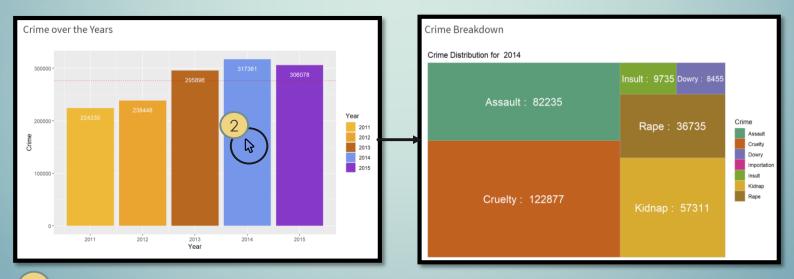
The Overview tab gives a brief breakdown of what the KAWAII visualization aims to achieve.

At a glance, it also provides an overview of the crime distribution over the years in India.

Overview –Interactivities

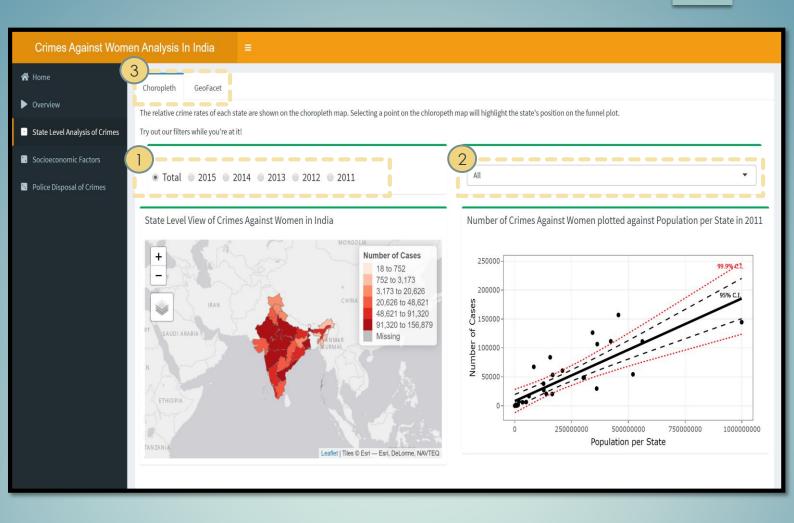


Hovering over a year on the line graph will give you the number of report cases of the corresponding crime type for the given year.



Hovering over a year on the bar chart will result in the tree-map displaying the crime distribution for the given year.

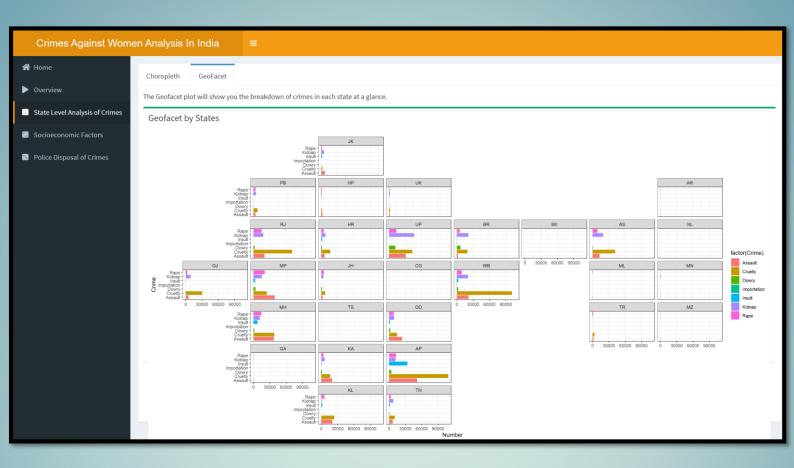
State Level Analysis of Crimes -Choropleth



The choropleth tab displays a choropleth map alongside a funnel plot.

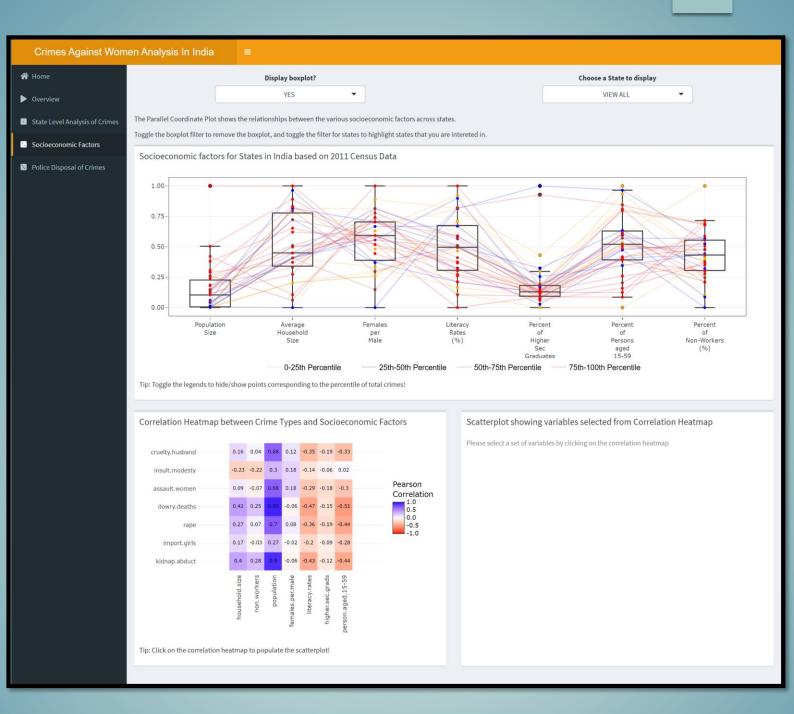


State Level Analysis of Crimes -GeoFacet



The GeoFacet map breaks down distribution of crimes against women in India by State Level.

Socioeconomic Factors



The Socioeconomic Factors tab shows a Parallel Coordinate Plot, Correlation Heatmap and Scatterplot

Socioeconomic Factors -Parallel Coordinate





Dropdown box will toggle boxplot display

Choose a State to display

VIEW ALL

▼

Dropdown box filters all charts by selected State



Hovering over data points will display tooltip

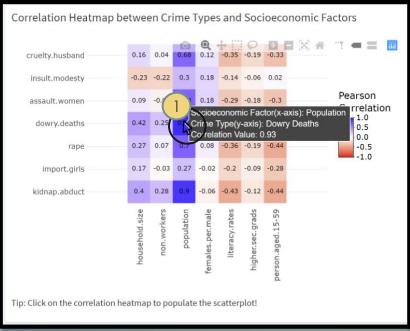
4 0-25th Percentile — 25th-50th Percentile — 50th-75th Percentile — 75th-100th Percentile

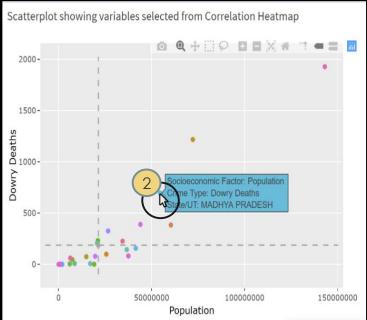
Clicking on legends will toggle display of data points corresponding to the selected

Percentile of Total Crime

Socioeconomic Factors

-Correlation Heatmap, Scatterplot





Socioeconomic Factor(x-axis): Population
Crime Type(y-axis): Dowry Deaths
Correlation Value: 0.93

Hovering over the Correlation Heatmap will display the tooltip

Click on a point on the Correlation Heatmap will pass selected variables to the Scatterplot

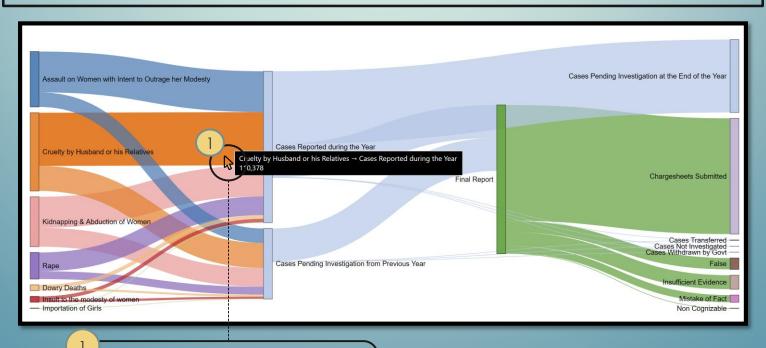
Socioeconomic Factor: Population
Crime Type: Dowry Deaths
State/UT: MADHYA PRADESH

Hovering over scatterplot will display the tooltip

Police Disposal of Crimes



The Police Disposal of Crimes tab displays a Sankey Diagram that studies the journey of reported cases of crimes against women.



Hovering over the plot displays the tooltip.