State-wise Exploratory Data (EDA) Analysis of Rapes in India



By :

Rajee Goel 12241460 (DSAI ‘26)

Vedant Marodkar 12240990 (DSAI ‘26)

Problem Statement:

Sexual harassment and assaults are a major issue in India. Sexual assault is a grave societal concern that demands a thorough examination to uncover regional nuances and patterns. This exploratory data analysis (EDA) focuses on understanding the dynamics of reported rape cases across different regions. The primary objective is to extract meaningful insights that shed light on regional variations, contributing factors, and potential areas for intervention. The dataset under scrutiny comprises information on reported rape cases, categorized by regions or states/union territories.

Objectives:

State-wise Analysis:

* We will be comparing different aspects as available in data sets and grab insights out of it.

Regional Analysis:

* Here in we will be discussing about the trends as observed from different data sets based on regions divided mainly as North, South, East, West and Central region.

Comparison with useful metrics:

We compared data available with different metrics as

* Population
* GDP contribution of the state

Periodic Analysis:

* Comparing Data on yearly basis.
* Exploring outcomes