

# VICTIMS OF RAPE IN INDIA



# RAPE - THE MOST PREVALENT CRIME IN INDIA

Rape is the fourth most common crime against women in India. According to the National Crime Records Bureau (NCRB) 2013 annual report, 24,923 rape cases were reported across India in 2012. Out of these, 24,470 were committed by someone known to the victim (98% of the cases).

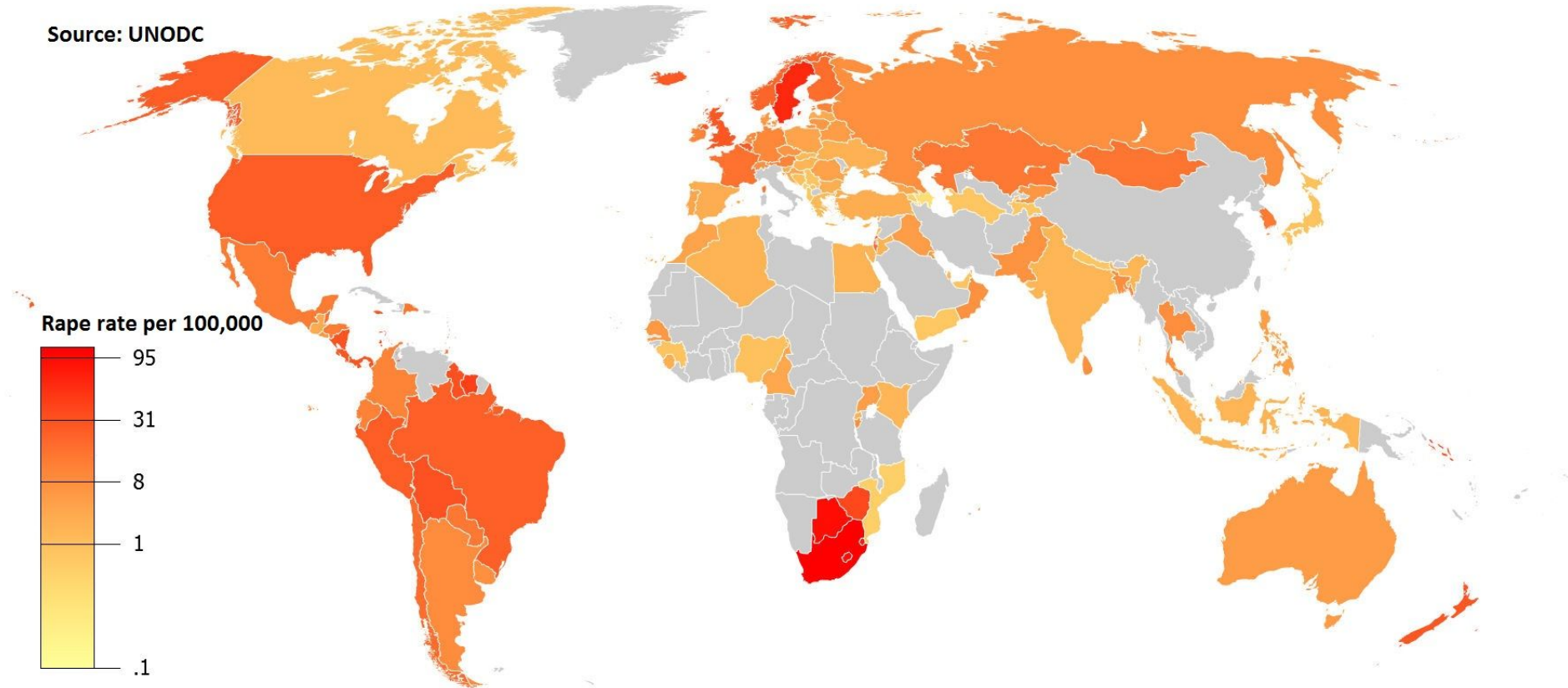
Many rapes go unreported in various countries including India. In India, consensual sex given on the false promise of marriage constitutes rape. The willingness to report the rape has increased in recent years, after several incidents of rape received widespread media attention and triggered public protest.

# MOTIVATION

Since sexual abuse has been one of the most horrifying crimes since time immemorial, given the recent events taking place in our country – the Nirbhaya Case, the Kathua Case and so on – we felt that this would be a very relevant theme via which we can spread even more awareness to people. This issue is of utmost importance to us, both as responsible citizens of this country and as growing women.

# Reported Rape rates per 100,000 population 2010-2012

Source: UNODC



# SCOPE OF THE PROJECT

This serves as an eye opening case study on the categories and frequencies of rape. We have chosen India as our sample. The major problem with rape is that most of the cases go unreported. Given our analysis of the statistics, we aim to ensure that this can aid in increasing encouragement for coming forward with such issues and raise their voices. Based on the frequency in states, the level of security and measures that need to be taken can be made aware.

Since our dataset deals with rape cases from 2001-2010, we plan to compare our analysis of it with the present scenario in order to draw a conclusion on whether the situation has improved or worsened (and in what ways).

# DESCRIPTION

Our dataset provides the following information for **each state** in India **2001 - 2010**:

- **Subgroups**: Victims of incestual rape and victims of other rape.
- Rape Cases **Reported**
- Victims Above **50** Yrs
- Victims Between **10-14** Yrs
- Victims Between **14-18** Yrs
- Victims Between **18-30** Yrs
- Victims Between **30-50** Yrs
- Victims of Rape **Total**
- Victims Upto **10** Yrs

# PROJECT INFERENCES

# COMPARISON BETWEEN RAW & CLEANED DATASETS

Area_Name	Year	Subgroup	Rape_Cases_Reported	Victims_Above_50_Yrs	Victims_Between_10-14_Yrs	Victims_Between_14-18_Yrs	Victims_Between_18-30_Yrs	Victims_Between_30-50_Yrs
Andaman & Nicobar Islands	2001	Victims of Incest Rape	1	0.0	0.0	1.0	NaN	0.0
Andaman & Nicobar Islands	2001	Victims of Other Rape	2	0.0	0.0	2.0	0.0	0.0
Andaman & Nicobar Islands	2002	Victims of Incest Rape	0	0.0	0.0	0.0	0.0	0.0
Andaman & Nicobar Islands	2002	Victims of Other Rape	2	0.0	0.0	1.0	1.0	0.0
Andaman & Nicobar Islands	2003	Victims of Incest Rape	0	0.0	0.0	0.0	0.0	0.0

Area_Name	Year	Subgroup	Rape_Cases_Reported	Victims_Above_50_Yrs	Victims_Between_10-14_Yrs	Victims_Between_14-18_Yrs	Victims_Between_18-30_Yrs	Victims_Between_30-50_Yrs
Andaman & Nicobar Islands	2001	Victims of Incest Rape	1	0.000000	0.0	1.0	160.619253	0.000000
Andaman & Nicobar Islands	2001	Victims of Other Rape	2	0.000000	0.0	2.0	0.000000	0.000000
Andaman & Nicobar Islands	2002	Victims of Incest Rape	0	0.000000	0.0	0.0	0.000000	0.000000
Andaman & Nicobar Islands	2002	Victims of Other Rape	2	0.000000	0.0	1.0	1.000000	0.000000
Andaman & Nicobar Islands	2003	Victims of Incest Rape	0	0.000000	0.0	0.0	0.000000	0.000000



# GRAPHS

Graph between states in india and total number of victims in the 18-30 years age group (due to the highest number of reported cases belonging to this age group, as seen in the correlation matrix later).

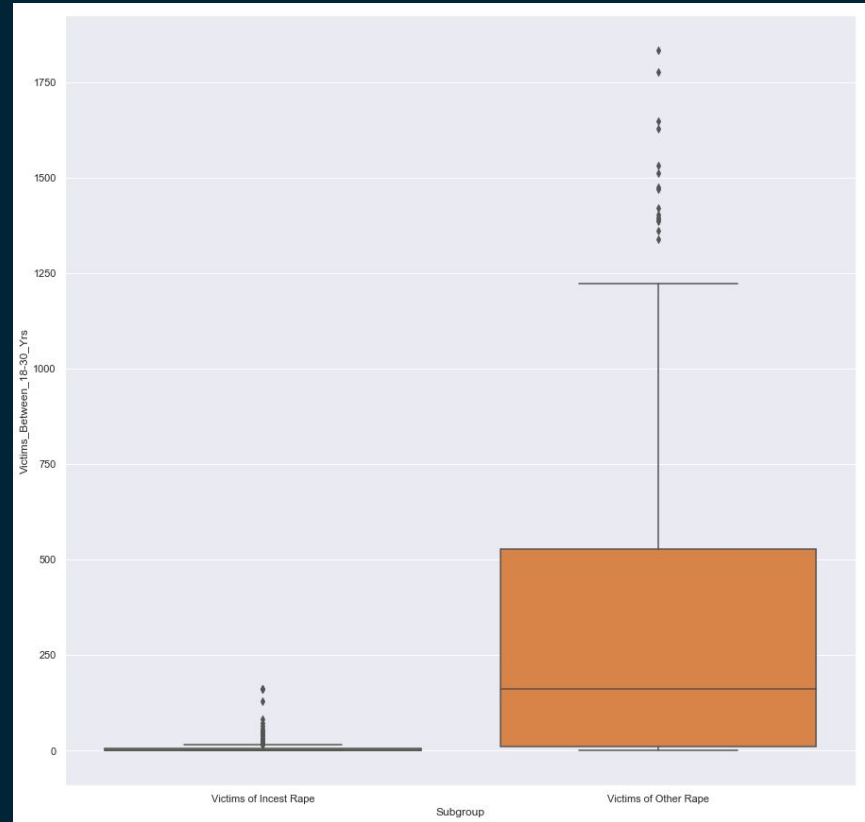
**INFERENCE:** Number of rape cases was highest in West Bengal in the 2001-2010 period.



# GRAPHS

Graph between two categories of rape – incestual and others – and total number of victims in the 18–30 years age group.

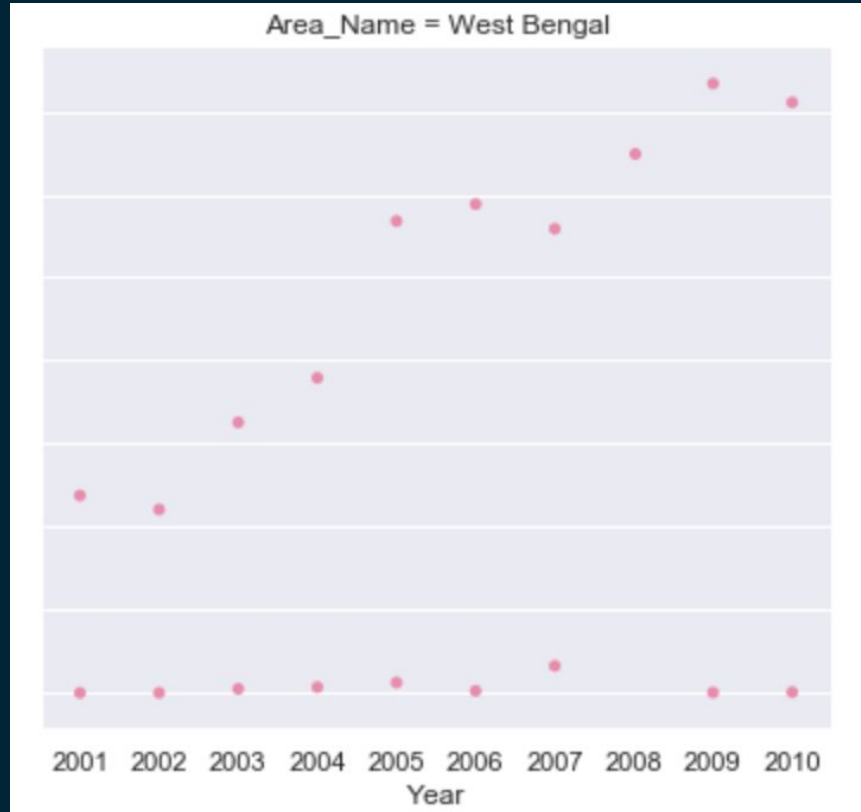
**INFERENCE:** Number of rape cases is far higher in the ‘Victims of Other Rape’ category.



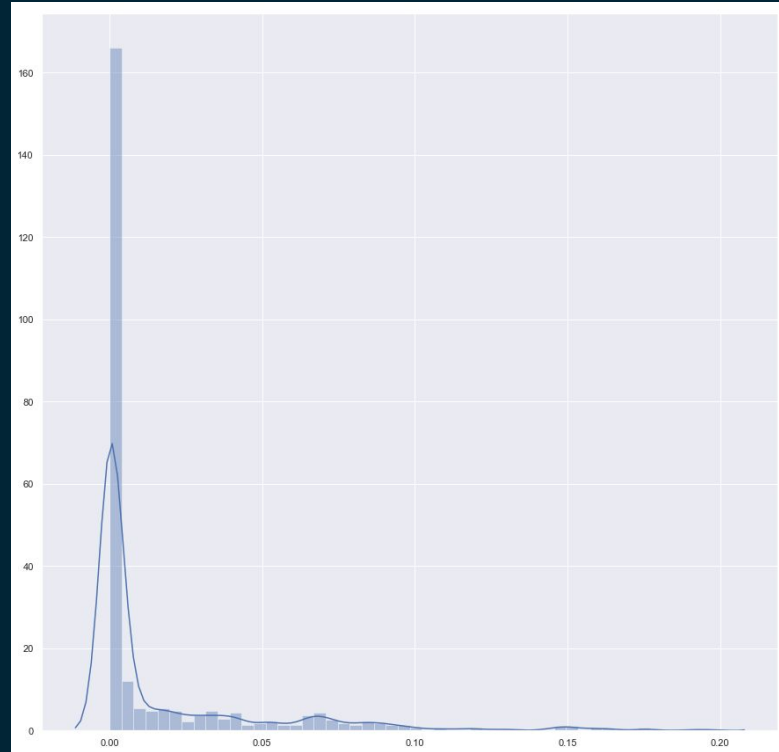
# GRAPHS

Graph between the years - 2001 to 2010 - and the total number of victims in the 18-30 years age group for every state.

**INFERENCE:** Number of rape cases was highest in West Bengal as compared to other states. It was the highest in the year 2009.



# NORMALIZED GRAPH

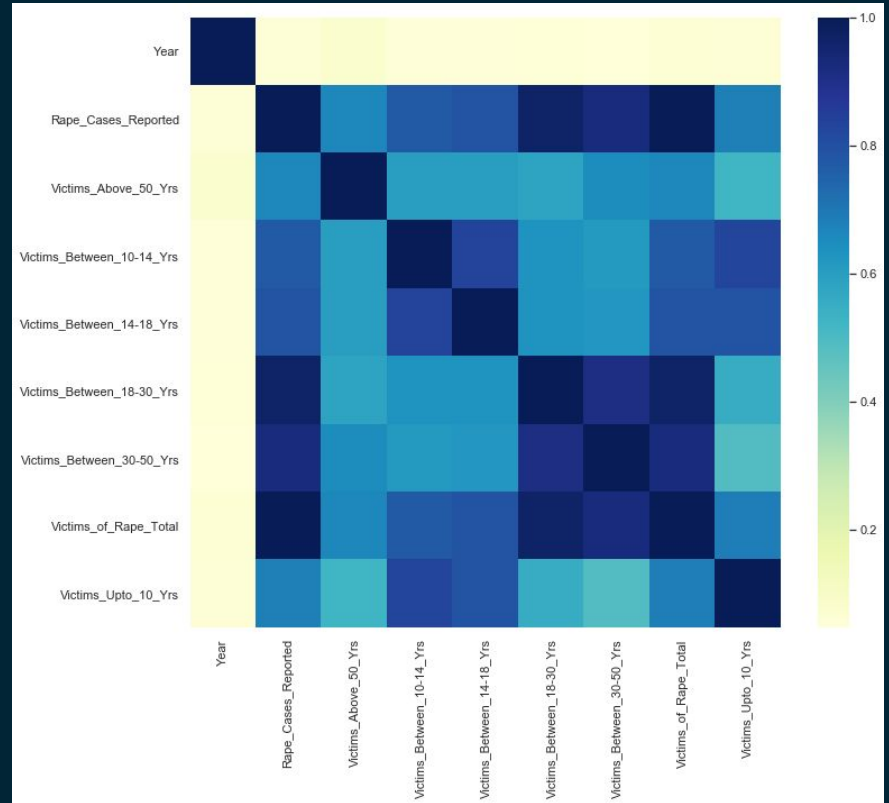


**NOTE:** Since our dataset strictly contains positive values, the x axis of the normalized graph does not contain negative values.

# CORRELATION MATRIX

This heatmap represents a correlation matrix between the columns in the dataset.

**INFERENCE:** The highest number of reported rape cases is from the 18–30 years age group.



# CURRENT STATISTICS / PRESENT SCENARIO

- The most recent statistics for rape in India show that Madhya Pradesh has the overall highest rate of reported rape cases.
- The total number of rape cases in the country has been on the rise since the past decade; some notoriously infamous cases include the gang rape of Nirbhaya in Delhi, rape of a 7 year old girl in Kashmir and the like.
- Statisticians have inferred that the unbalanced sex ratio (the number of men exceed the number of women) contributes to higher tendencies of crimes being committed against women. Haryana is reported to have the highest number of GANG rapes in India, and coincidentally, it also has the worst sex ratio.
- In conclusion, the situation has worsened for women and children. The number of rape cases in the below 10 age group has seen a disturbing and significant rise in the past decade.

# REFERENCES

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<https://thewire.in/society/a-closer-look-at-statistics-on-sexual-violence-in-india>

**“ I will never understand why it is more shameful to be raped than to be a rapist.”**

**- Sara Erdmann**