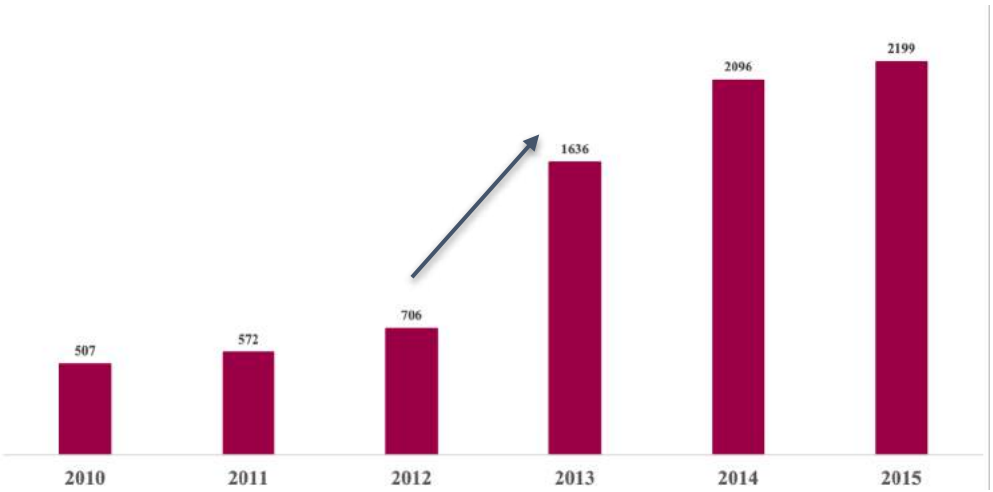
Government Open Data

FOSS United, Hyderabad

FACTLY DATAFUL

Rakesh Dubbudu

Rape cases in Delhi more than doubled in 2013.
Was it due to increase in criminals?



Source:NCRB

ASIA

Rape Case In India Provokes Widespread Outrage

December 18, 2012 · 4:13 PM ET

Heard on All Things Considered

Julie McCarthy

Features

Delhi grieves after death of gang-rape victim

Press Information Bureau
Government of India
Ministry of Home Affairs

24-December-2012 20:6 IST

Action taken by Government in Delhi Rape Case

Following actions have been ... in Delhi rape case:-

... Says anger and anguish is justified. Promises that Government will "examine without delay ...shment to those who commit these monstrous crimes".

...omen in distress.

... channels appealed to the protesters to return home as the Government has taken firm action on all issues.

... (24.12.2012) Fast Track Hearing
Union Home Minister and Delhi CM met Chief Justice, Delhi High Court today for starting fast track hearing in the recent gang-rape case.
Victim being given best possible medical care. Condition is being monitored regularly.

5. (24.12.2012) Committee of Three Eminent Jurists Constituted
Justice Verma Committee begins functioning to look into possible amendments to the criminal law for the quicker trial and enhanced punishment for criminals, accused of committing sexual assault of extreme nature against women.

The Committee has intimated all concerned to send their responses through email at justice.verma@nic.in or through fax at 011-23092675 latest by January ...

...012 a three eminent jurists committee to review the existing laws and suggest suitable changes.

...stice (Retd.) J.S.Verma, former Chief Justice of India, Smt. Justice (Retd.) Leila Seth, Former Chief Justice of ...amaniam, Former Solicitor General of India.

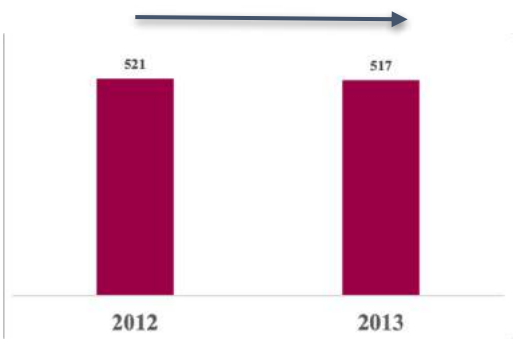
...hin 30 days.

6. (22.12.2012) Steps for safer travel
* Action has been taken against the transporter whose bus was involved in the crime.
* Improvement in the public transport system by increasing the number of buses at night.
* GPS will be installed on all public transport vehicles to ensure that they do not stray from their scheduled routes.
* It will be ensured that all personnel deployed on public transport carry identification badges and are verified.

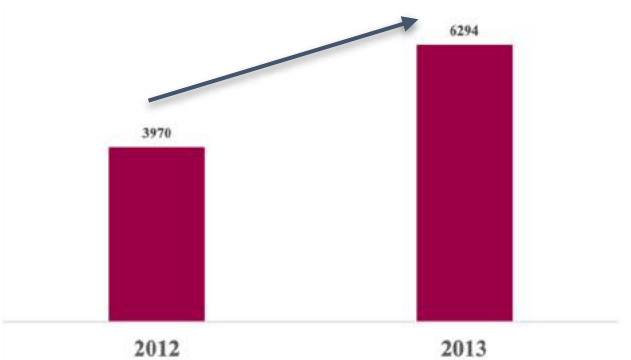
7. Commission of Inquiry
* Government will set up a Commission of Inquiry under the Commissions of Inquiry Act 1952 to review responses to this shocking crime .

8. Police
* Action taken against erring Policemen.
* Proactive and enhanced patrolling by police vans/ motor cycles has started along routes taken by families and women returning late at night from entertainment hubs and work places.

Murder Cases in Delhi



Kidnapping and Abduction Cases in Delhi



Source:NCRB

IPC Crimes absolute numbers in 2021

versus

Rate of Cognizable Crimes (IPC)

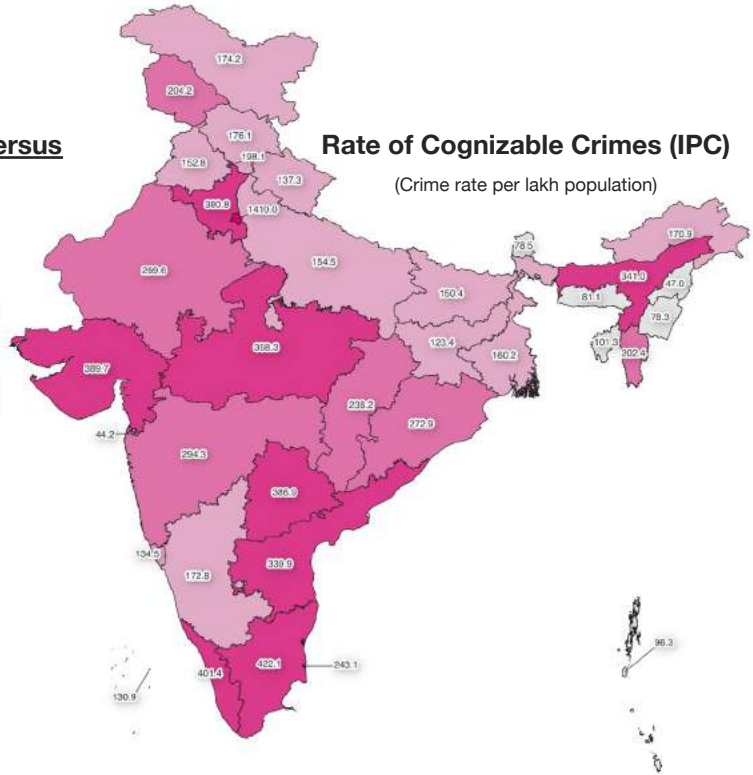
(Crime rate per lakh population)

India

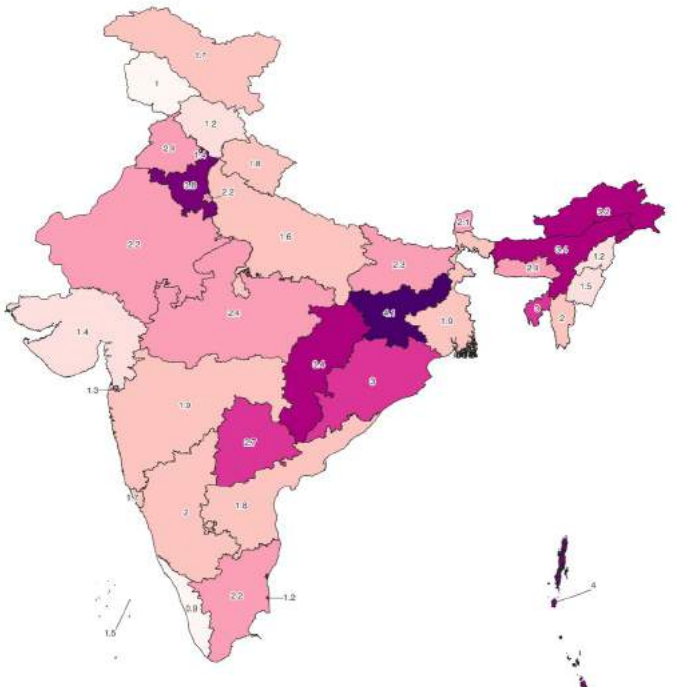
Maharashtra leads states in IPC crimes, 2021, tailed by UP; Delhi top city, says NCRB

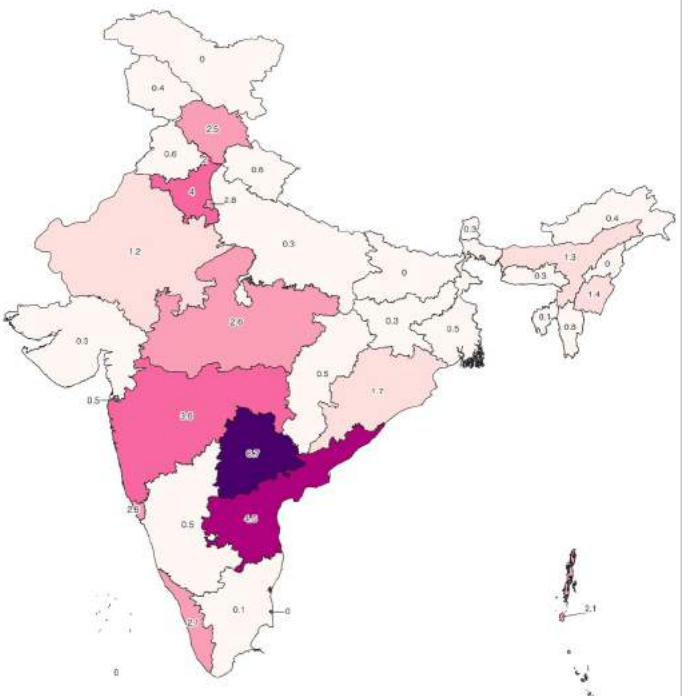
Crimes in north-east, south comparatively less, shows NCRB data of offences in 2021 registered under the Indian Penal Code

AMOGH ROHMETRA 29 August, 2022 08:46 pm IST



Murder (Crime rate per lakh population) **versus** **Stalking** (Crime rate per lakh population)





Telangana recorded highest number of crimes against women in south India, Kerala lowest in 2021

As per NCRB data, Madhya Pradesh recorded the highest number of incidents of rape with 2,947 cases, followed by Uttar Pradesh with 2,845 cases and Maharashtra with 2,496 cases.

News / Cities / Lucknow / Yogi govt cites NCRB report to claim decline in crimes against women in UP

Yogi govt cites NCRB report to claim decline in crimes against women in UP

According to a statement issued by the government, the state recorded a 9.7 per cent decline in rape cases from 2019, and, a drop of 9.2 per cent than compared to 2013.

Rajasthan No.2 in crimes against women, UP tops list: NCRB

TNN / Updated: Aug 31, 2022, 06:55 IST

185 PTS SHARE AA

Disclaimer

1. The information published in this report has been obtained from States/UTs Police and CAPFs/CPOs. National Crime Records Bureau has only compiled and collated the data and presented it in the form of this report. As data is being furnished by States/UTs/ CAPFs/CPOs, NCRB is not responsible for authenticity of the information. However, any discrepancy observed in this report may be brought to the notice of the Bureau.

Limitations

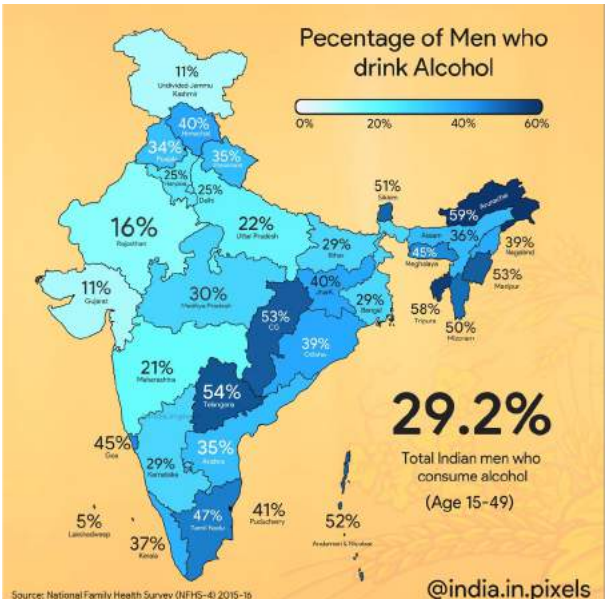
1. Since the publication caters to the 'Principal Offence Rule' for classification of crime, the actual count of each crime head may be under reported. This is because among many offences registered in a single FIR case, only most heinous crime (maximum punishment) will be considered as counting unit. Hence, there is likelihood of some IPC/SLL cases getting under reported as they are hidden under major IPC crimes. For example, Murder with Rape is accounted as Murder; Dowry Prohibition Act when applied along with Dowry Death (304B of IPC) will be counted as Dowry Death only.
2. The Socio-economic causative factors or reasons of crimes are not being captured by the Bureau. Only police recorded crime cases are being captured for this publication.

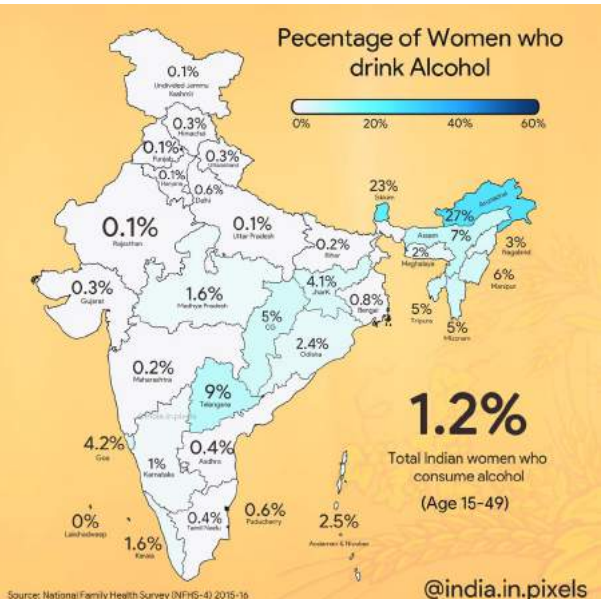
Word of Caution

Further, these social factors along with other latent and concomitant factors vary significantly across different regions, states and societies. The differences in procedures over large geographical regions and method of functioning inherent between organizations also creates wide variations. Hence, any comparison among States/districts/regions/social groups etc. on the basis of these published data alone will be too simplistic and is best avoided.

Further, no weightage has been assigned to the gravity or nature of the crime. All crimes have thus been treated equal in counting the total crime for a State or City. More crime registered say, in a city is, therefore, not an indicator of its being comparatively unsafe than the city, where total crime may be less.

is fallacious. 'Rise in crime' and 'increase in registration of crime by police' are clearly two different things, a fact which requires better understanding. Thus an oft-repeated expectation from certain quarters that an effective police administration will be able to keep the crime figures low is misplaced. Increase in crime numbers in a State police data may in fact be on account of certain citizen centric police initiatives, like launching of e-FIR facility or women Helpdesks, etc. The increase or decrease in





Source: India in Pixels

Table 11.11.2 Use of alcohol: Men

Percentage of men age 15-49 who drink alcohol and percent distribution of alcohol drinkers by frequency of drinking, according to background characteristics, India, 2015-16

Background characteristic	Percentage of men who drink alcohol	Number of men	Among men who drink alcohol, frequency of drinking: Almost every day	About once a week	Less than once a week	Total	Number of men
Age							
15-19	8.9	18,740	2.6	29.4	67.9	100.0	1,670
20-34	31.2	47,399	8.9	39.4	51.7	100.0	14,768
35-49	36.8	37,272	15.6	43.5	41.0	100.0	13,729
Total age 15-49	29.2	103,411	11.6	40.7	47.7	100.0	30,167
Age 50-54	33.5	8,711	20.8	38.9	40.3	100.0	2,920
Total age 15-54	29.5	112,122	12.4	40.6	47.0	100.0	33,086

Table 11.11.1 Use of alcohol: Women

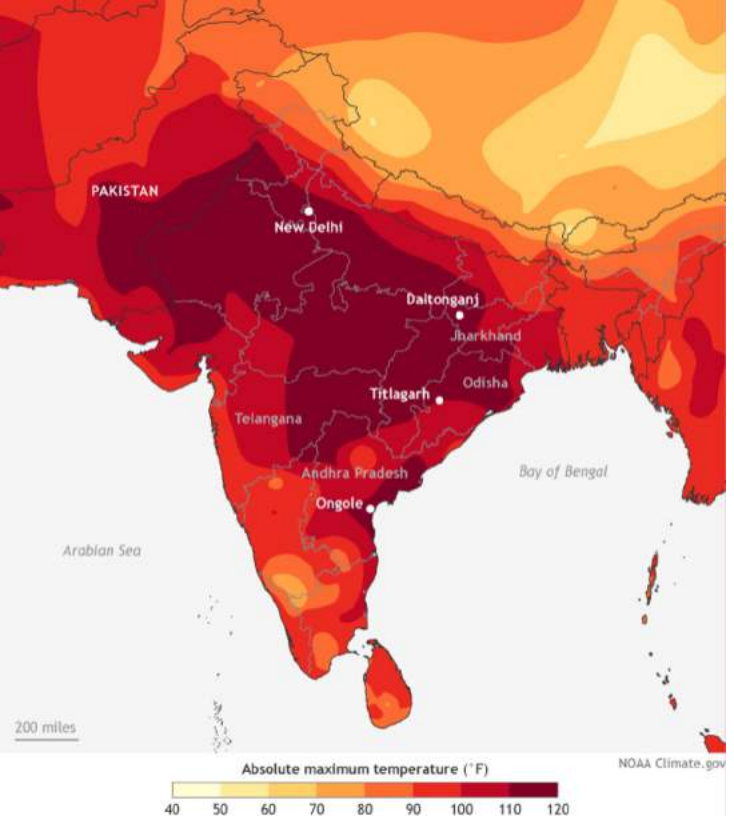
Percentage of women age 15-49 who drink alcohol and percent distribution of alcohol drinkers by frequency of drinking, according to background characteristics, India, 2015-16

Background characteristic	Percentage of women who drink alcohol	Number of women	Among women who drink alcohol, frequency of drinking: Almost every day	About once a week	Less than once a week	Total	Number of women
Age							
15-19	0.5	121,552	13.8	22.7	63.5	100.0	568
20-34	1.1	334,777	15.8	34.4	49.8	100.0	3,518
35-49	1.9	243,357	20.0	36.9	43.1	100.0	4,552
Total[1]	1.2	699,686	17.9	35.0	47.2	100.0	8,638

YEAR	WEEKS
2023	1st 2nd 3rd 4th 5th 6th 7th 8th 9th 10th 11th 12th 13th 14th 15th 16th 17th 18th 19th 20th 21st 22nd 23rd 24th 25th 26th 27th 28th
2022	1st 2nd 3rd 4th 5th 6th 7th 8th 9th 10th 11th 12th 13th 14th 15th 16th 17th 18th 19th 20th 21st 22nd 23rd 24th 25th 26th 27th 28th 29th 30th 31st 32nd 33rd 34th 35th 36th 37th 38th 39th 40th 41st 42nd 43rd 44th 45th 46th 47th 48th 49th 50th 51th 52nd
2021	1st 2nd 3rd 4th 5th 6th 7th 8th 9th 10th 11th 12th 13th 14th 15th 16th 17th 18th 19th 20th 21st 22nd 23rd 24th 25th 26th 27th 28th 29th 30th 31st 32nd 33rd 34th 35th 36th 37th 38th 39th 40th 41st 42nd 43rd 44th 45th 46th 47th 48th 49th 50th 51st 52nd
2020	1st 2nd 3rd 4th 5th 6th 7th 8th 9th 10th 11th 12th 13th 14th 15th 16th 17th 18th 19th 20th 21st 22nd 23rd 24th 25th 26th 27th 28th 29th 30th 31st 32nd 33rd 34th 35th 36th 37th 38th 39th 40th 41st 42nd 43rd 44th 45th 46th 47th 48th 49th 50th 51st 52nd 53rd
2019	1st 2nd 3rd 4th 5th 6th 7th 8th 9th 10th 11th 12th 13th 14th 15th 16th 17th 18th 19th 20th 21st 22nd 23rd 24th 25th 26th 27th 28th 29th 30th 31st 32nd 33rd 34th 35th 36th 37th 38th 39th 40th 41st 42nd 43rd 44th 45th 46th 47th 48th 49th 50th 51st 52nd
2018	1st 2nd 3rd 4th 5th 6th 7th 8th 9th 10th 11th 12th 13th 14th 15th 16th 17th 18th 19th 20th 21st 22nd 23rd 24th 25th 26th 27th 28th 29th 30th 31st 32nd 33rd 34th 35th 36th 37th 38th 39th 40th 41st 42nd 43rd 44th 45th 46th 47th 48th 49th 50th 51th 52nd

Unique ID.	Name of State/UT	Name of District	Disease/ Illness	No. of Cases	No. of Deaths	Date of Start of Outbreak	Date of Reporting	Current Status	Community Action Taken
AR/USG/2023/28/715	Arunachal Pradesh	Upper Siang	Scrub Typhus	12	00	05-07-23	12-07-23	Under Surveillance	Cases reported from Village Yingkiong town, tuting, Marivang and Jenning, sub-district Yingkiong Circle, District Upper Siang. Cases presented with fever, headache, vertigo dry cough and some cases with eschar. Twelve serum sample sent to TRIHMS Naharlagaun. District RRT investigated the outbreak. All samples came positive for IgM Scrub typhus by ELISA. House to house survey was conducted and treated symptomatically. Community awareness and health education given by peripheral team on hygiene and sanitation.
AS/BPT/2023/28/716	Assam	Bajali	Fever of Unknown Origin	21	00	15-07-23	15-07-23	Under Surveillance	Cases reported from Village Kurobaha, sub-district Bajali (Pt), District Bajali. Cases presented with fever. Twenty serum sample sent to Nityanand BPHC, District RRT investigated the outbreak. All samples came negative for malaria. House to house survey was conducted and treated symptomatically. Community awareness and health education given by peripheral team on hygiene and sanitation.
AS/DAR/2023/28/717	Assam	Darrang	Acute Diarrheal Disease	24	00	09-07-23	10-07-23	Under Control	Cases reported from Village Salkhali, sub-district Sipajhar, District Darrang. Cases presented with loose motion, pain abdomen and vomiting. Two rectal swab and one water sample sent to DPHL Darrang. District RRT investigated the outbreak. Rectal swab came negative for any pathogens while water sample found fit for potable purposes. House to house survey was conducted and treated symptomatically. Community awareness and health education given by peripheral team on hygiene and sanitation.

Source: India in Pixels



Heat waves

One phenomenon

Multiple Organisations

Different Numbers

Number of Deaths in India due to Heat waves (2016-2020)

Data by **NDMA** - **1750**

Data by **MoSPI** - **1450**

NCRB ADSI Report - **1743**

WMO (2016-2021) - **1743**

Train hits and critically injures elephant in North Bengal. Devastating video goes viral

A disturbing video of a critically injured elephant, hit by a train, has gone viral on social media. The accident took place in North Bengal's Jalpaiguri district this morning.

India Today Web Desk
New Delhi, UPDATED: Sep 30, 2019 12:11 IST

Home > India News > Vande Bharat Express Hits Cow, Day After Buffalo Collision Broke Train 'Nose'

Vande Bharat Express Hits Cow, Day After Buffalo Collision Broke Train 'Nose'

No major damage to newly launched semi-high-speed train, which had hit four buffaloes yesterday

India News | Reported by Parimal Kumar, Edited by Aarish Chhabra | Updated: October 07, 2022 9:11 pm IST

Train mows down 14 camels in Rajasthan

VIMAL BHATIA / TNN / Updated: Feb 21, 2018, 09:17 IST

161 PTS SHARE AA

Vande Bharat: Railways to Spend Rs 264 Crore to Build Fences Along Mumbai-Ahmedabad Route to Stop Animal Hits

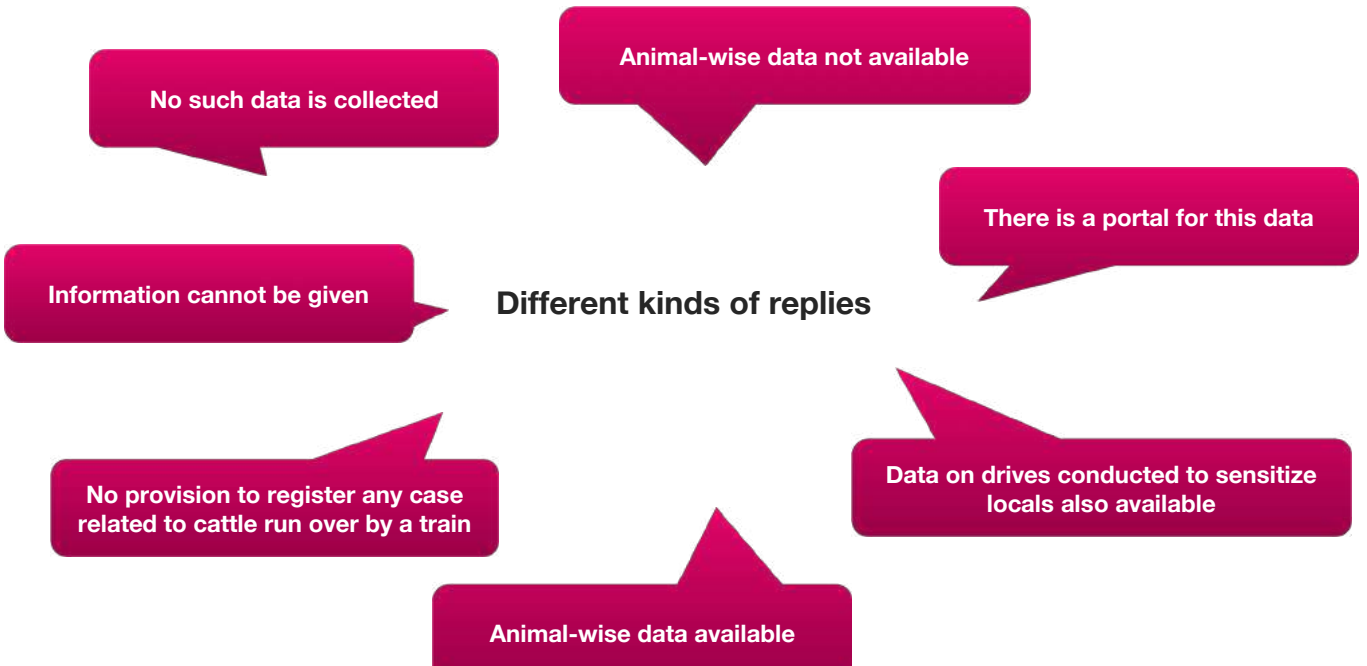
• PTI • Last Updated: DECEMBER 03, 2022, 10:37 IST • Mumbai, India

Ashwini Vaishnaw
@AshwiniVaishnaw
Fencing on #VandeBharat routes started.
1M views
0:03 / 0:19
7:02 PM · Jan 29, 2023 · 2.1M Views

Link

We asked one simple question

Provide the total number of cattle & animals that died on railway tracks year-wise from 2004-05 to 2021-22, and also provide year-wise data of name of the animal that died


No such data is collected
Animal-wise data not available
There is a portal for this data
Information cannot be given
Different kinds of replies
No provision to register any case related to cattle run over by a train
Data on drives conducted to sensitize locals also available
Animal-wise data available

In reference to above cited subject, it is informed that there is no provision to register any case that is related to cattle run over by train in RP (Up) Act and Railway Act.

Your application has been transfer to concern by Nodal Officer Delhi division .

In view of the above, the RTI application disposed off.

PIO cum ASC/RPF
Delhi Divn

Total No. of Cattle and animals are died on the Railway track.

Year	Total No. of Animals	Name of the animal died
2004-2019	Records not available.	Nil
2020	152	Particulars not available
2021	226	Deer- 5, Buffalo-5, Cow-211, Horse-1, OX-2, Goat-2
2022	285	Deer- 8, Buffalo-55, Cow-248, Horse-2, OX-1, Pig-1

Reply :- Reply furnished by concerned department PIO is as follows:

Year-wise detail of Cattle Run Over Cases over Howrah division as available in ICMS portal from January 2016 to December 2022 are given below- 2016-2, 2017-2, 2018-20, 2019-33, 2020-15, 2021-17 and 2022-13.

Item. No.	Information Sought	Answer Regarding Query
1.	Provide the total number of cattle & animals that died on railway tracks. Provide data year wise from 2004-05 to 2021-22, and also provide year wise data of name of the animal that died.	Year wise details of animal deaths on railway tracks in Kota Division as per this office record are as below.

Year	Year wise no. of animals deaths on Railway Track in Kota Division
2015	1823 Nos.
2016	1955 Nos.
2017	3254 Nos.
2018	2194 Nos.
2019	2362 Nos.
2020	1877 Nos.
2021	2392 Nos.
2022	2454 Nos.

Only number of animals are being maintained in Engg. Department of Kota Division. Name of animals that died on railway tracks are not available in this office record.

SN	Information asked	Information provided
1	Provide the total number of cattle & animals that died on railway tracks. Provide data year-wise from 2004-05 to 2021-22 and also provide year wise data of name of the animal that died.	The information asked is voluminous & disproportionate diversion of man power in terms of section -7para-9 of RTI Act-05.

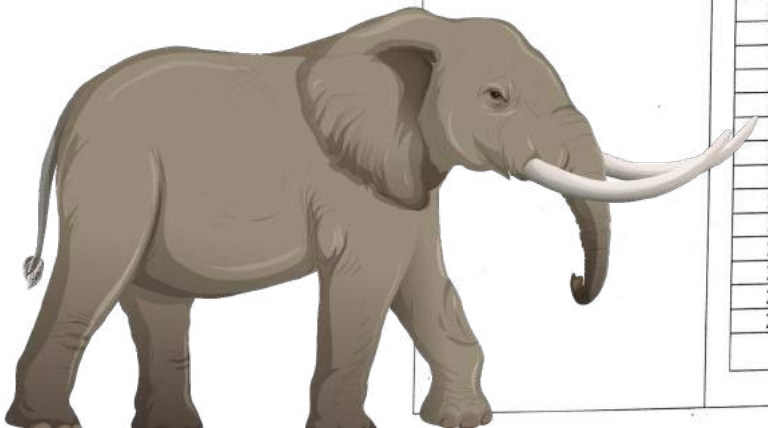
With reference to above, the information sought under RTI Act is furnished hereunder:

Question No.01 : As per section 8(1) of the RTI ACT-2005, the information sought, could not be furnished.

In reference to the above, the Information pertaining to Safety department of APDJ Divisions are given below:-

Information Sought	Remarks
Provide the total number of cattle & animals that died on railway tracks. Provide data year-wise from 2004- 05 to 2021-22, and also provide year-wise data of name of the animal that died.	Required data for the year 2004 -2005 and 2005-2006 is not available with Safety department. Data from 2006-2007 to 2021-2022 has been provided (year wise) alongwith name of the animal that died on Railway tracks.

Year	Name of Animal	Number of animal died.
2006-2007	Wild Elephant	05
2007-2008	-Do-	04
2008-2009	-Do-	02
2009-2010	-Do-	01
2010-2011	-Do-	11
2011-2012	-Do-	04
2012-2013	-Do-	06
2013-2014	-Do-	10
2014-2015	-Do-	02
2015-2016	-Do-	06
2016-2017	-Do-	NIL
2017-2018	-Do-	01
2018-2019	-Do-	03
2019-2020	-Do-	02
2020-2021	-Do-	NIL
2021-2022	-Do-	NIL
Total		57 nos.



Types of Government Data

- Census Data
- Data from Surveys
- Administrative Data
- Regulatory Data
- Compliance Data
- Transactional Data
- Indices

Essential elements of Open Data

- Available through multiple channels (forms)
- Findable/Searchable
- Relevant
- Comprehensible
- Low cost of access
- Up to Date

Challenges

- Culture of Secrecy & Fear
- Lack of the big picture
- Capacity & Understanding
- Reliability
- Granularity & Localization
- Standards
- Multiple stages of openness
- Lack of Cross-Sectoral Collaboration

Government & Official Data Sources

- **The Census**
- **The Agricultural Census**
- **The Livestock Census**
- **The Reserve Bank of India**
- **Representative Surveys**
    - NFHS - National Family Health Survey
    - DHS – Demographic Health Survey
    - NSS – National Sample Survey
    - SRS – Sample Registration System
    - CRS – Civil Registration System
    - PLFS – Periodic Labour Force Survey (discontinued)
- **Annual Surveys or Reports**
    - Annual Survey of Industries
    - Annual Employment –Unemployment Survey (discontinued)
    - Statistical Year Book of MoSPI
    - National Accounts Data
    - NCRB Reports
    - Annual Reports of Ministries/Departments/Organizations
    - Annual Statistical Publications by States
    - CACP reports for MSP
- **Ministry of Railways – Statistical reports & pink books**

Government & Official Data Sources

- **Lok Sabha & Rajya Sabha Questions** (more than 5 lakh)
- **Parliament Standing Committee reports**
- **Ministry/Department Websites** (MHA – padma, casualties, IAS IPR etc.)
- **Director General of Civil Aviation** (DGCA)
- **Press Information Bureau** & **NITI Aayog** (aspirational districts)
- **Official Gazette**
- **CAG Reports** & **Annual reports/outcome budget reports of ministries**
- **Large scheme specific websites and relevant reports**
    - State Level
    - Directorate of Economic & Statistics (Eco Stat)
    - State Archives & State Gazettes & Legislative Assembly Questions
    - State Level reports & DISE Data
    - Scheme specific websites
    - Department websites & annual reports
    - CM dashboards (where available)
- **Open Data portals**
- ***For all purposes – RTI for data gathering***

About Factly FOSS – Data Solutions

- **Hunting:** Data profiling exposed as REST API. Built on Pandas Profiling & Polars.
- **Ruspie:** Expose Static Datasets as Read-Only APIs. Endpoints for REST API, GraphQL & SQL. Written in Rust.
- **Janaganana:** Django application to host and explore census data.
- **Payanam:** Tool for mapping public transport routes to static GTFS format.

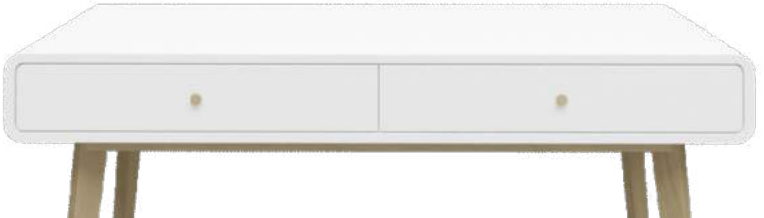
About Factly FOSS – Other Applications

- **Dega:** A lightweight, scalable & high performant CMS written in Go & React.
- **Scooter:** Notion-like editor including Generative AI features.
- **Kavach:** Identity and Access Management solution written in Go.
- **Hukz:** Service to manage outgoing webhooks. Written in Go.

Factly's Data Portal (www.dataful.in)

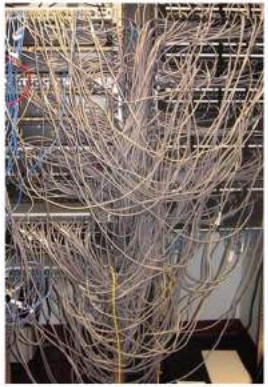
DATAFUL

Makes the process of working with public data **easy**, **fast**, and **simple**.



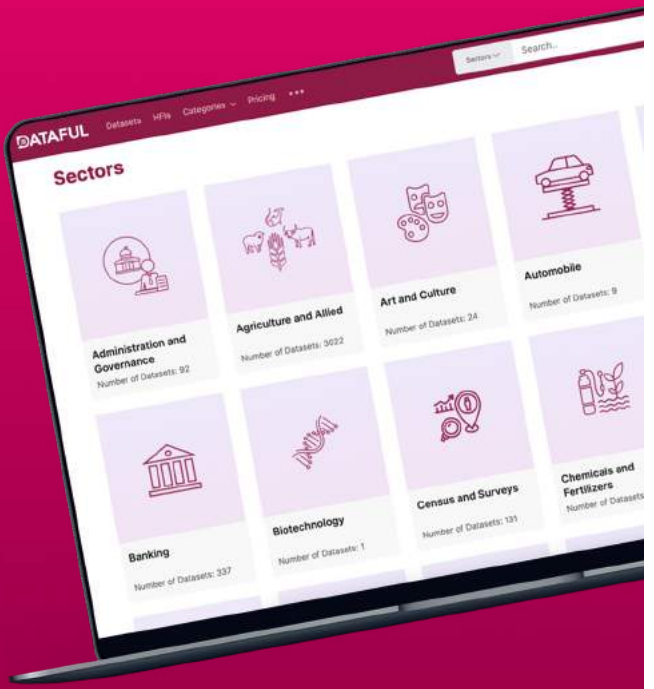
Why Dataful?

- Absence of a one-stop destination for public data on India
- Finding, compiling, and cleaning data is a time-consuming process
- Easily available public datasets are often not properly structured and standardized
- Most of the existing data portals are either focused on few specific topics or have a very limited number of datasets
- Limited availability of time-series data



Data at the
Source

Data on the
DATAFUL

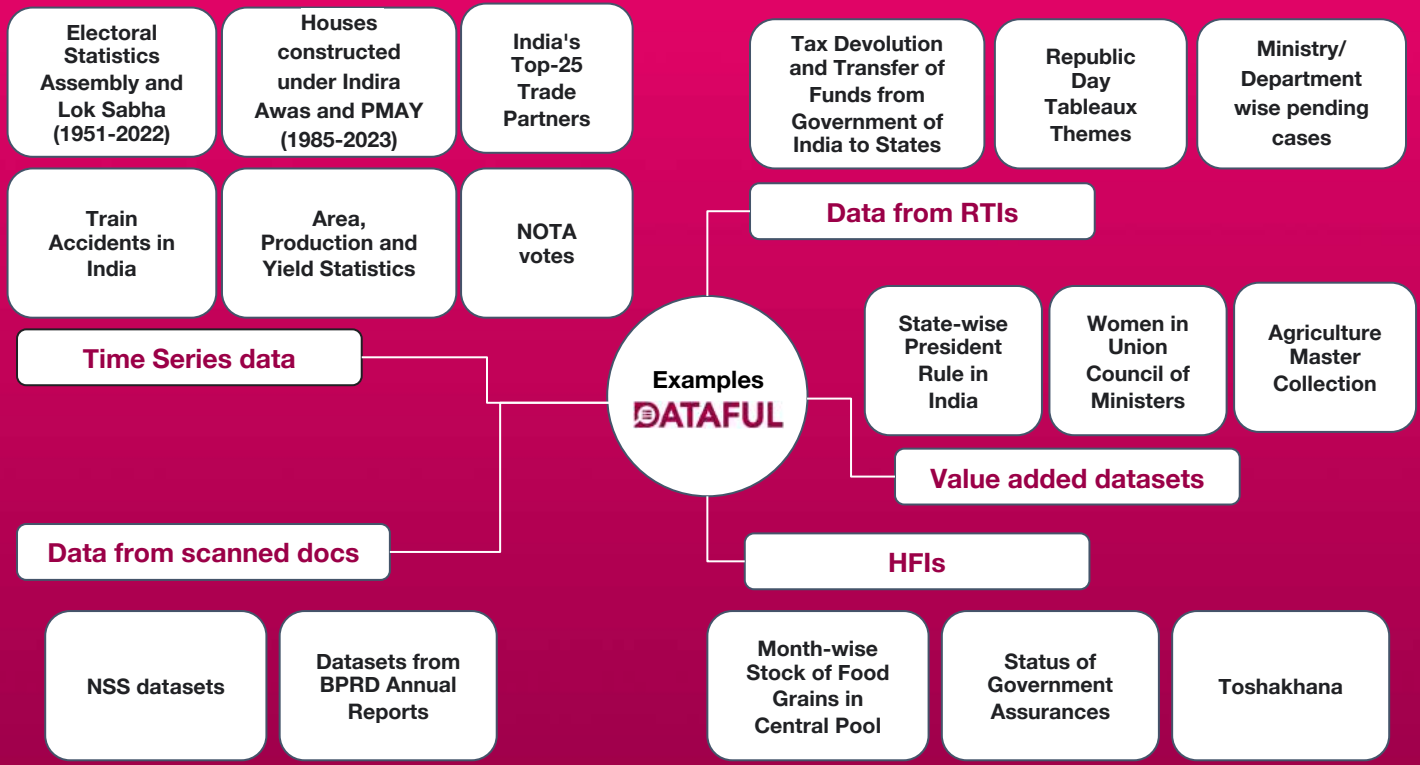


Data on Dataful:

50+
Sectors

18,000+
Clean, structured, and ready-to-use datasets

100+
High-Frequency Indicators


Electoral Statistics Assembly and Lok Sabha (1951-2022)
Houses constructed under Indira Awas and PMAY (1985-2023)
India's Top-25 Trade Partners
Train Accidents in India
Area, Production and Yield Statistics
NOTA votes
Time Series data
Data from scanned docs
NSS datasets
Datasets from BPRD Annual Reports
Examples
DATAFUL
Tax Devolution and Transfer of Funds from Government of India to States
Republic Day Tableaux Themes
Ministry/ Department wise pending cases
Data from RTIs
State-wise President Rule in India
Women in Union Council of Ministers
Agriculture Master Collection
Value added datasets
HFIs
Month-wise Stock of Food Grains in Central Pool
Status of Government Assurances
Toshakhana

What happens ‘Behind the Scenes’?

for every dataset you see on Dataful

Watch Dataful – ‘Behind the scenes’ video here

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dataful@factly.in

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