Road Accident Data Analysis Using Python and Tableau

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PROJECT OVERVIEW

The project "Multi-Dimensional Data Analytics of Road Accidents in India" focuses on analyzing road accident data from across India using various data visualization and analytical techniques to uncover key insights and patterns. The goal is to better understand the causes, frequency, and distribution of road accidents with respect to factors like time, location, vehicle type, and driver behavior. The analysis leverages tools such as Python, Pandas, and Matplotlib, and presents findings through interactive visualizations and dashboards. This project aids policymakers, traffic authorities, and researchers in identifying high-risk areas and implementing data-driven strategies to enhance road safety in India.

TOOLS & SKILLS USED

- **Python** – Core programming language used for data processing and analysis.
- **Pandas** – For data cleaning, manipulation, and handling large datasets efficiently.
- **NumPy** – For numerical operations and array processing.
- **Matplotlib & Seaborn** – For creating static visualizations and exploratory data analysis.
- **Jupyter Notebook** – For organizing code, visualizations, and insights in a readable format.

DATA EXPLORATION STEPS

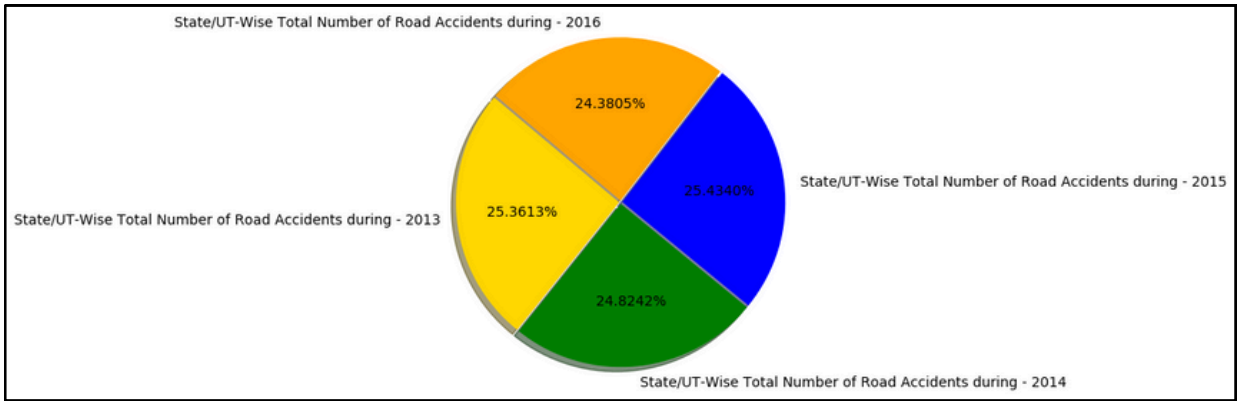
- **Data Collection:** Gathered road accident datasets from official sources.
- **Data Loading:** Loaded data using Pandas for inspection.
- **Data Cleaning:** Handled missing values, duplicates, and inconsistent formats.
- **Data Preprocessing:** Created new features and converted data types.
- **Univariate Analysis:** Explored individual variables using visualizations.
- **Bivariate & Multivariate Analysis:** Analyzed relationships between multiple factors.
- **Geographical Visualization:** Mapped accident data across Indian states.
- **Time Series Analysis:** Tracked accident trends over time.
- **Outlier Detection:** Identified unusual patterns and anomalies.
- **Insights & Interpretation:** Summarized key patterns and actionable findings.

KEY INSIGHTS

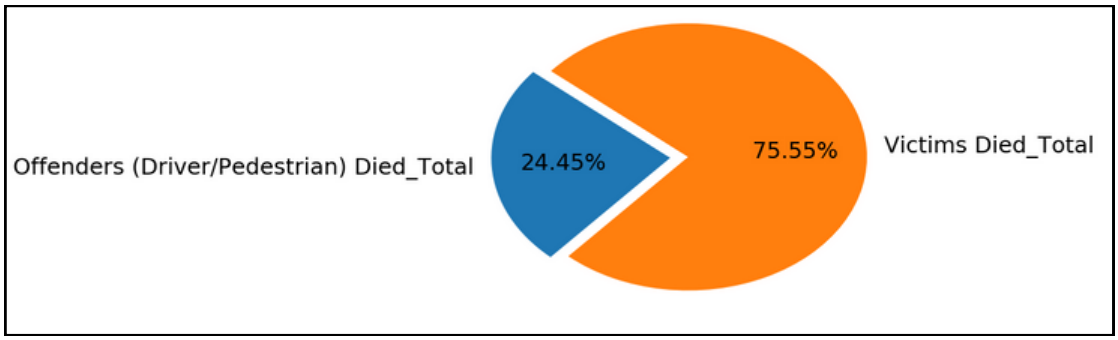
- **High-Fatality States:** States like **Tamil Nadu**, **Uttar Pradesh**, and **Maharashtra** consistently report the highest number of accidents and fatalities.
- **Time-Based Trends:** Most accidents occur during peak traffic hours, especially between **6 PM to 9 PM**, indicating increased risk during evening commutes.
- **Monthly Patterns:** A spike in accidents is observed during **festive months** and **monsoon seasons**, pointing to weather and travel activity as contributing factors.
- **Vehicle Involvement: Two-wheelers** and **trucks** are among the most frequently involved in road accidents.
- **Age Factor: Young adults (18–35 years)** are the most affected demographic, indicating the need for better driver education and awareness.
- **Urban vs Rural: Rural areas** often see higher fatality rates despite fewer accidents, suggesting poor emergency response and infrastructure.
- **Cause Analysis: Speeding**, **drunk driving**, and **violation** of traffic rules are major causes of accidents across most regions.
- **State-Wise Variations:** Some states have better **accident-to-fatality ratios**, implying more effective road safety measures or medical facilities.

SNAPSHOTS OF OUTCOMES

- Total Number of Road Accidents from 2014 to 2016 - Pie Chart

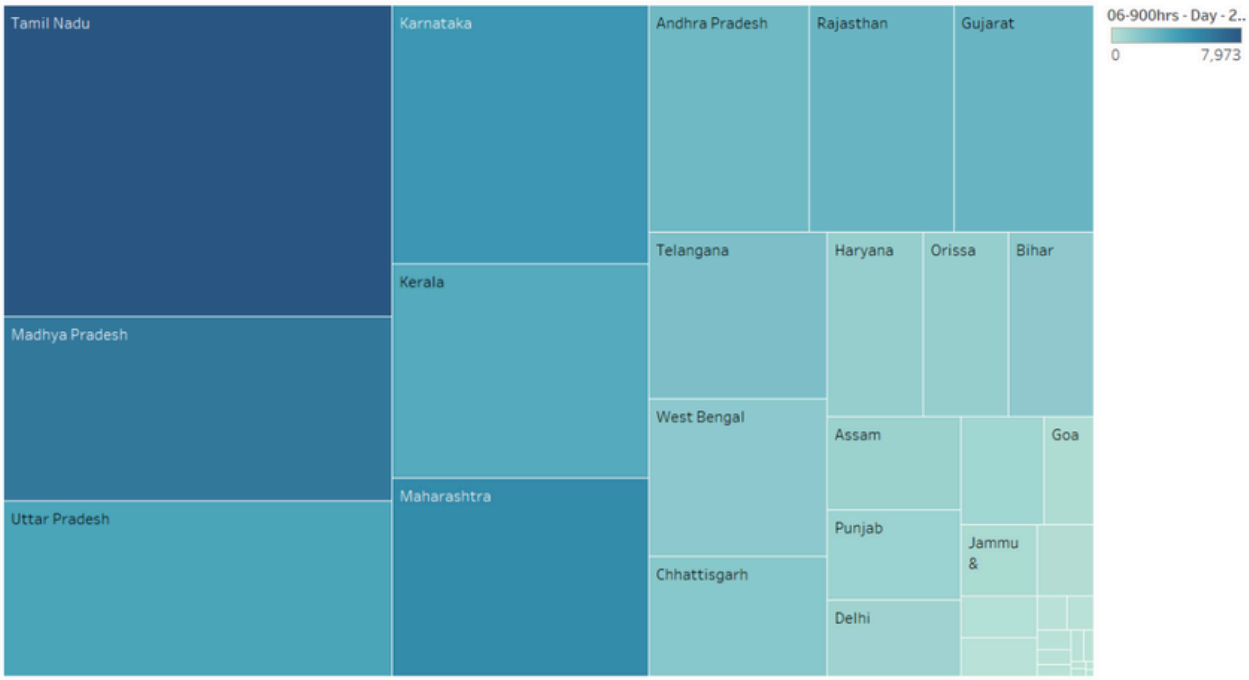


- Percentage of total offenders and victims who died in accidents.



- Accidents according to the TIME OF OCCURENCE.

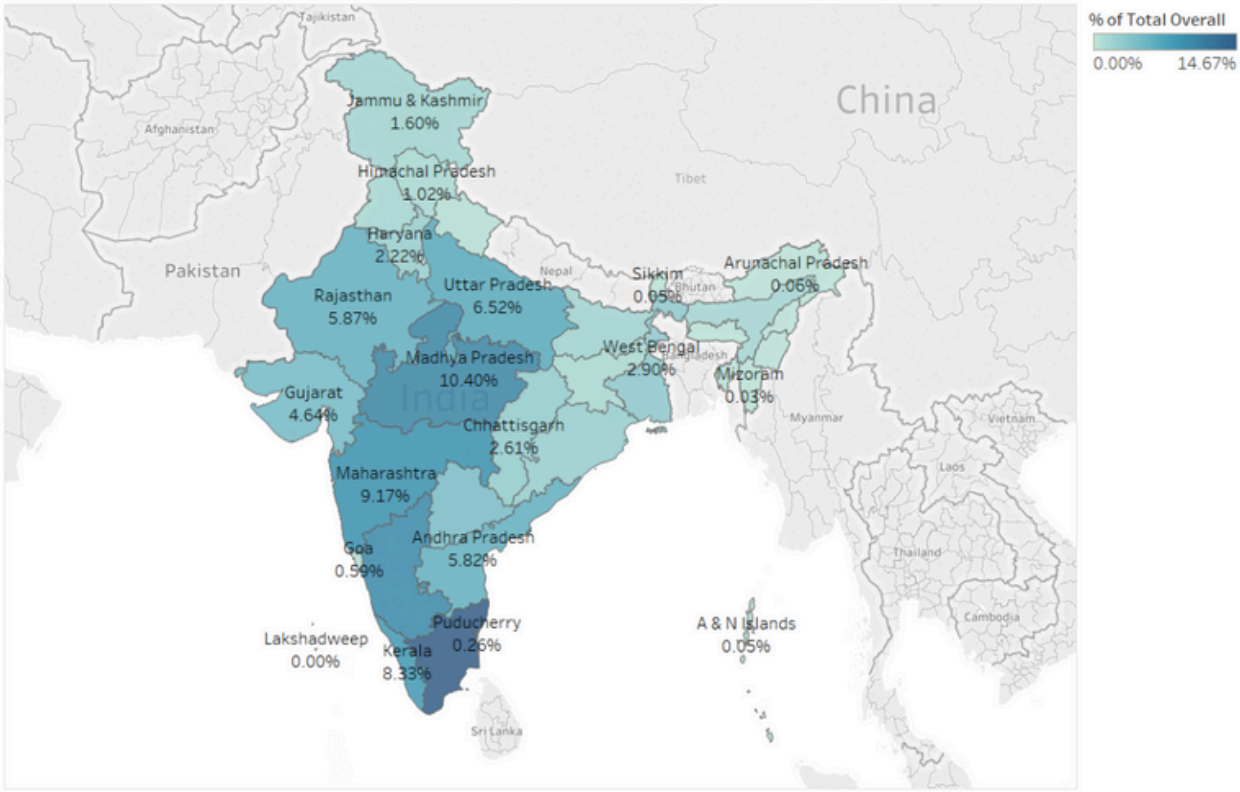
Treemap of people killed between 06-900hrs - (Day) - 2014 and 2016.



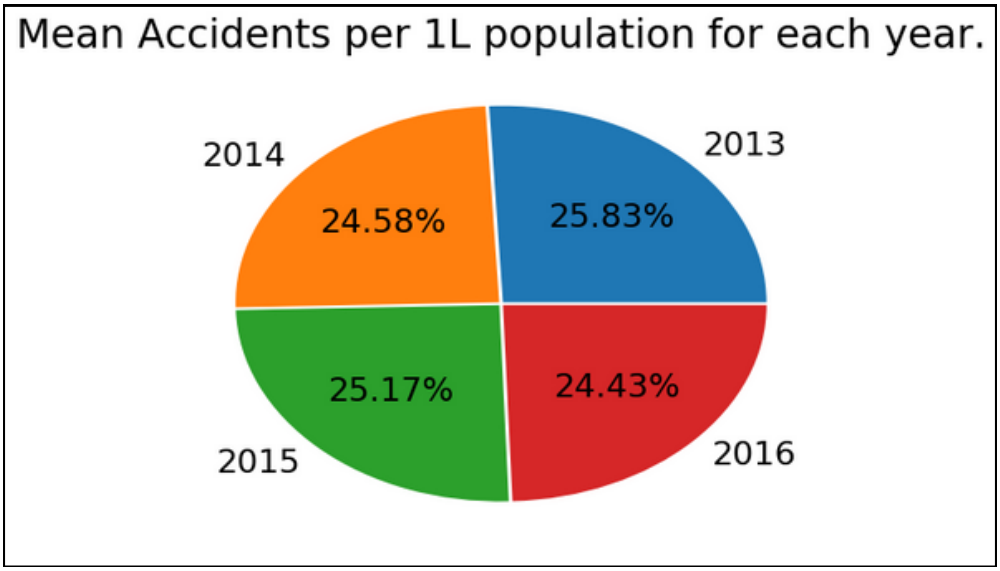
States/Uts. Color shows sum of 06-900hrs - Day - 2014. Size shows sum of 06-900hrs - (Day) - 2016. The marks are labeled by States/Uts. The view is filtered on States/Uts, which excludes Total.

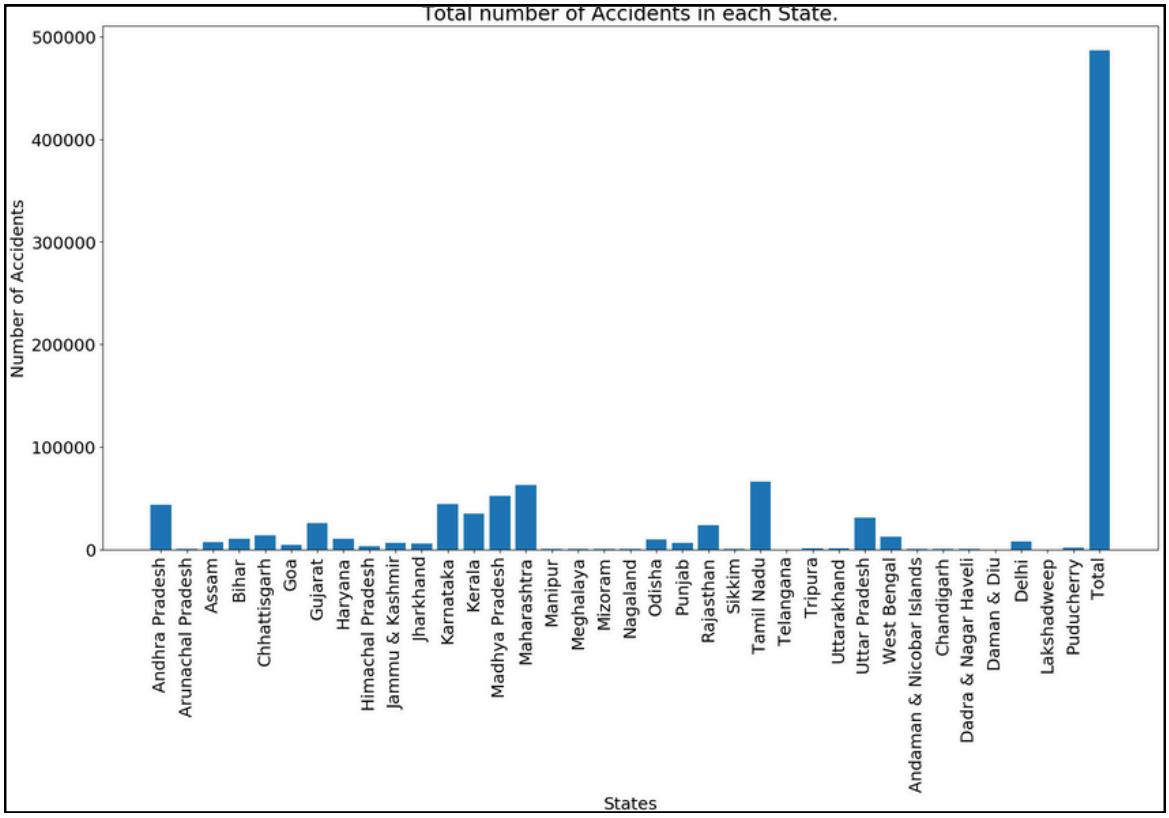
- Count of accidents plotted over a MAP using Tableau.

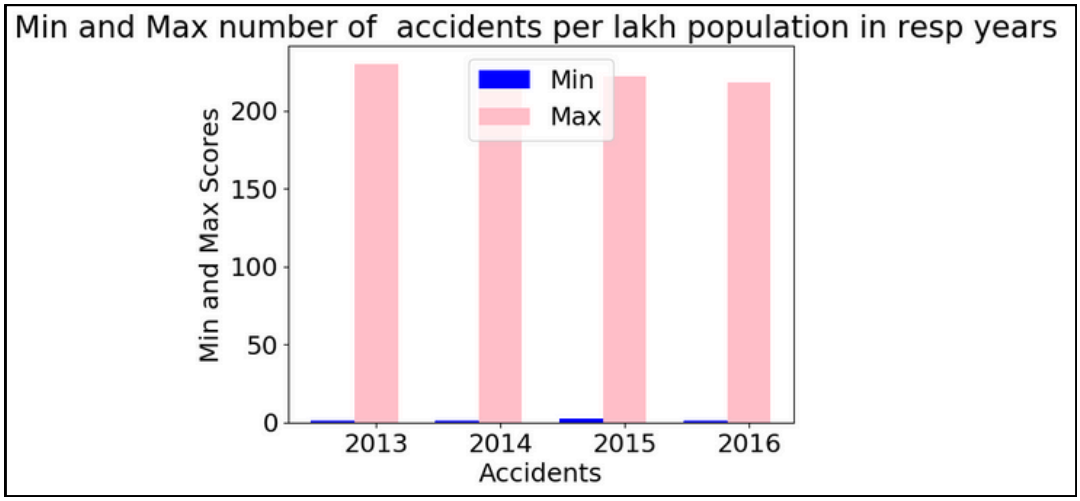
Overall Accidents

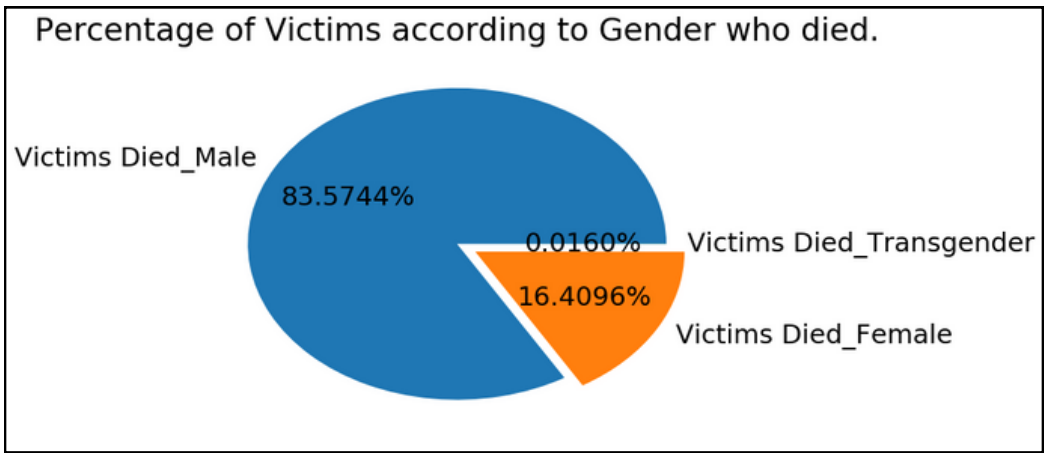


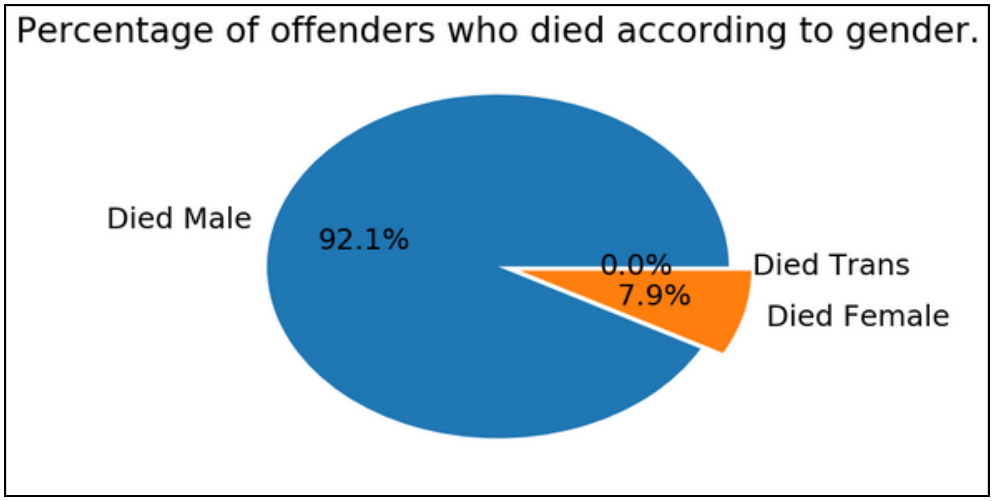
Map based on Longitude (generated) and Latitude (generated). Color shows % of Total Overall. The marks are labeled by State/ UT and % of Total Overall. Details are shown for State/ UT and State/ UT. The view is filtered on State/ UT, which excludes Total.

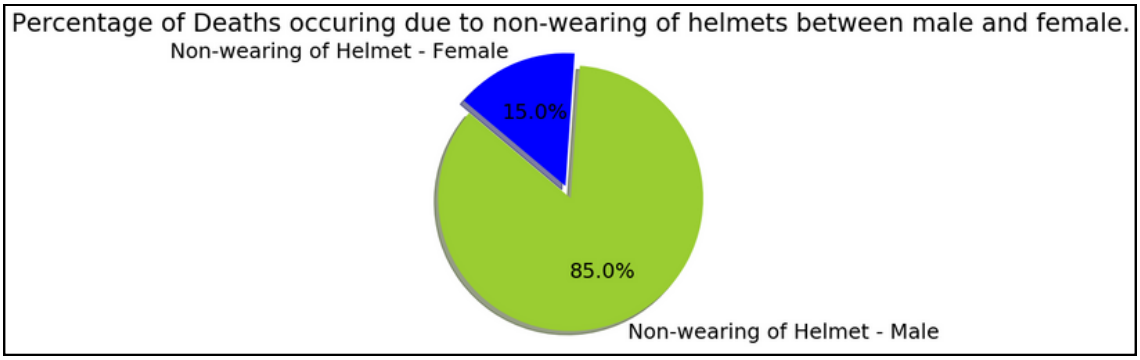

Mean Accidents per 1L population for each year.
2014
2013
24.58%
25.83%
25.17%
24.43%
2015
2016

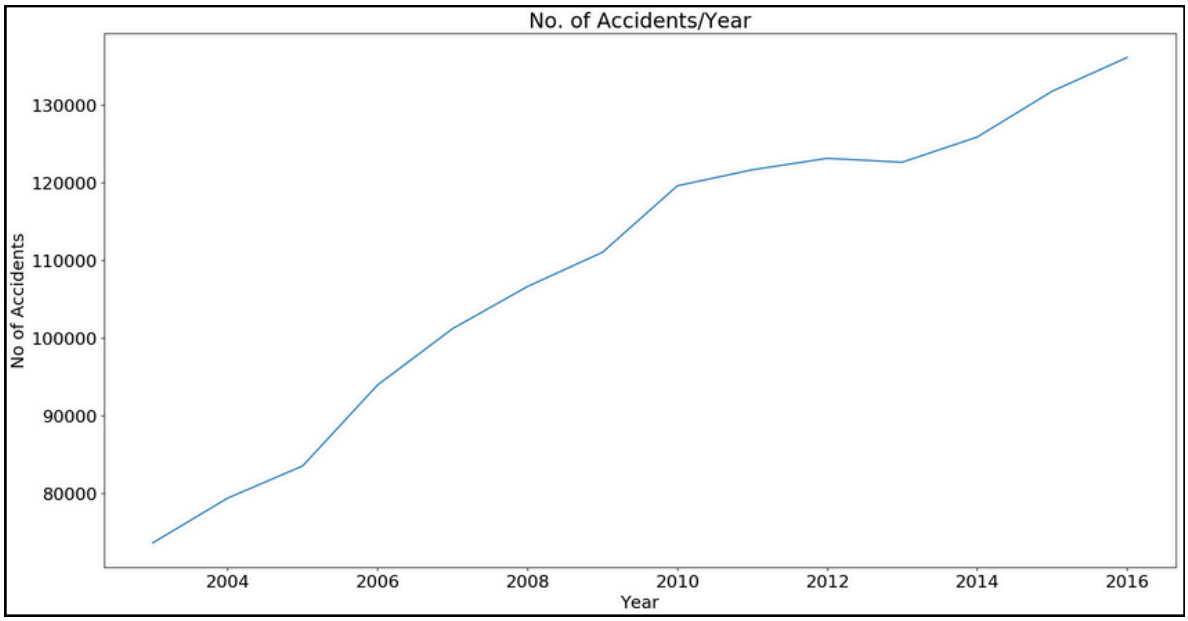

Total number of Accidents in each State.
Number of Accidents
500000
400000
300000
200000
100000
0
Andhra Pradesh
Arunachal Pradesh
Assam
Bihar
Chhattisgarh
Goa
Gujarat
Haryana
Himachal Pradesh
Jammu & Kashmir
Jharkhand
Karnataka
Kerala
Madhya Pradesh
Maharashtra
Manipur
Meghalaya
Mizoram
Nagaland
Odisha
Punjab
Rajasthan
Sikkim
Tamil Nadu
Telangana
Tripura
Uttarakhand
Uttar Pradesh
West Bengal
Andaman & Nicobar Islands
Chandigarh
Dadra & Nagar Haveli
Daman & Diu
Delhi
Lakshadweep
Puducherry
Total
States

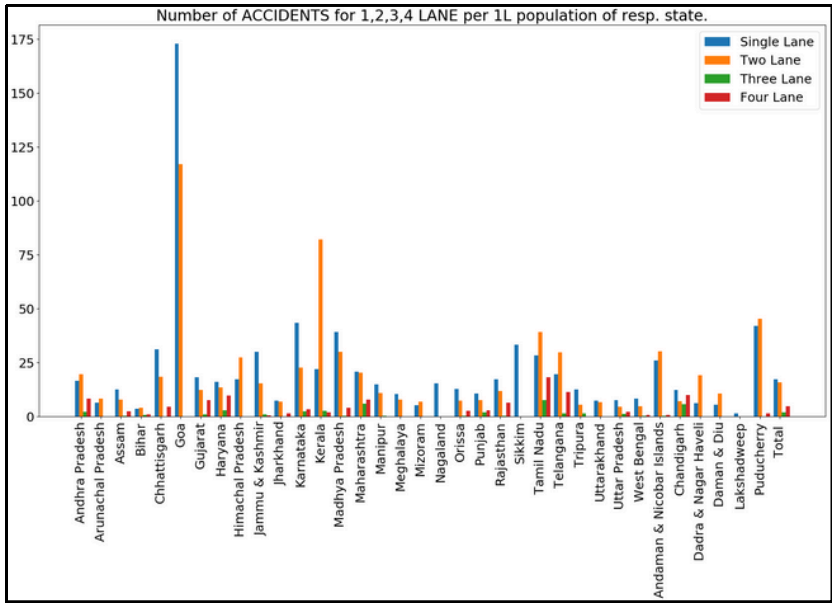

Min and Max number of accidents per lakh population in resp years
Min
Max
Min and Max Scores
200
150
100
50
0
2013
2014
2015
2016
Accidents

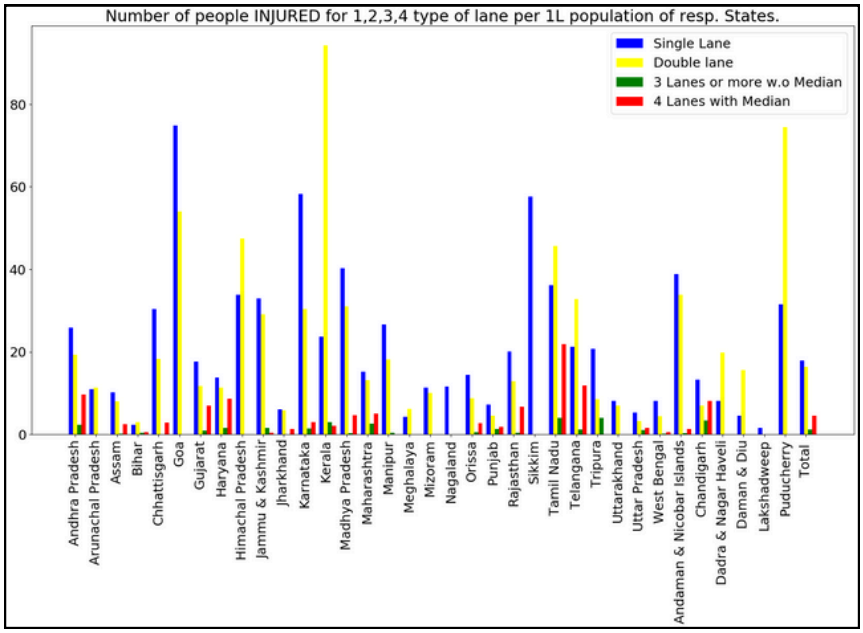

Percentage of Victims according to Gender who died.
Victims Died_Male
83.5744%
0.0160%
Victims Died_Transgender
16.4096%
Victims Died_Female

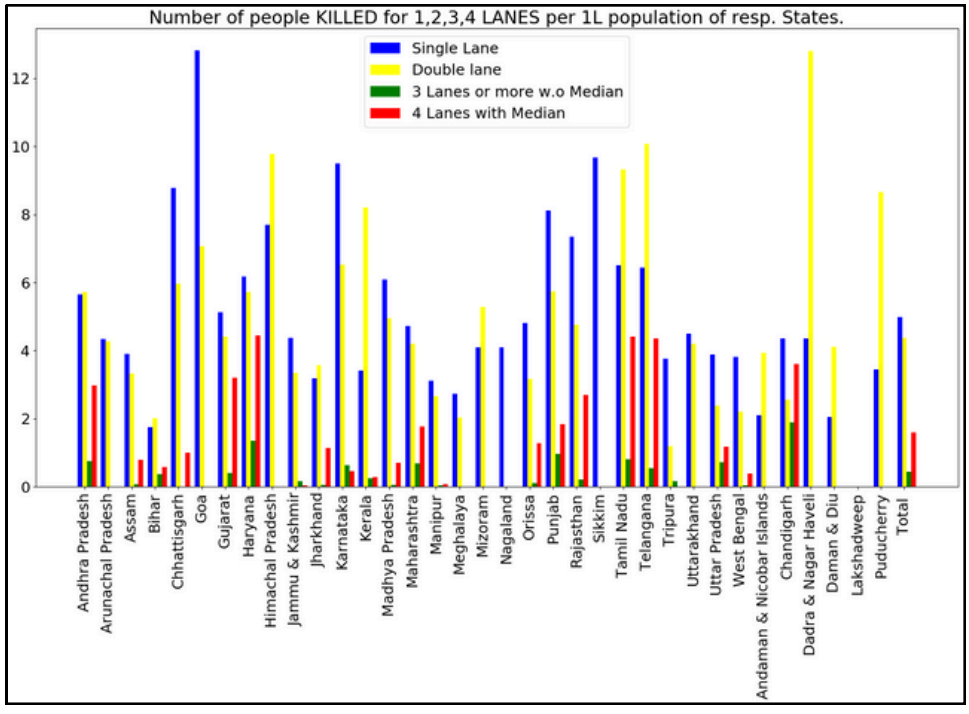

Percentage of offenders who died according to gender.
Died Male
92.1%
0.0%
Died Trans
7.9%
Died Female

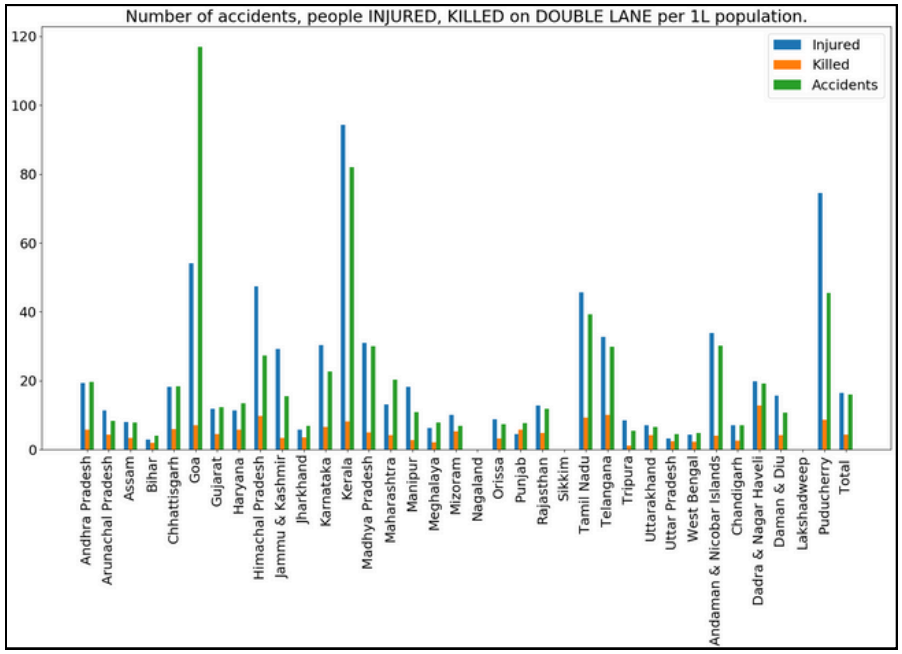

Percentage of Deaths occuring due to non-wearing of helmets between male and female.
Non-wearing of Helmet - Female
15.0%
85.0%
Non-wearing of Helmet - Male

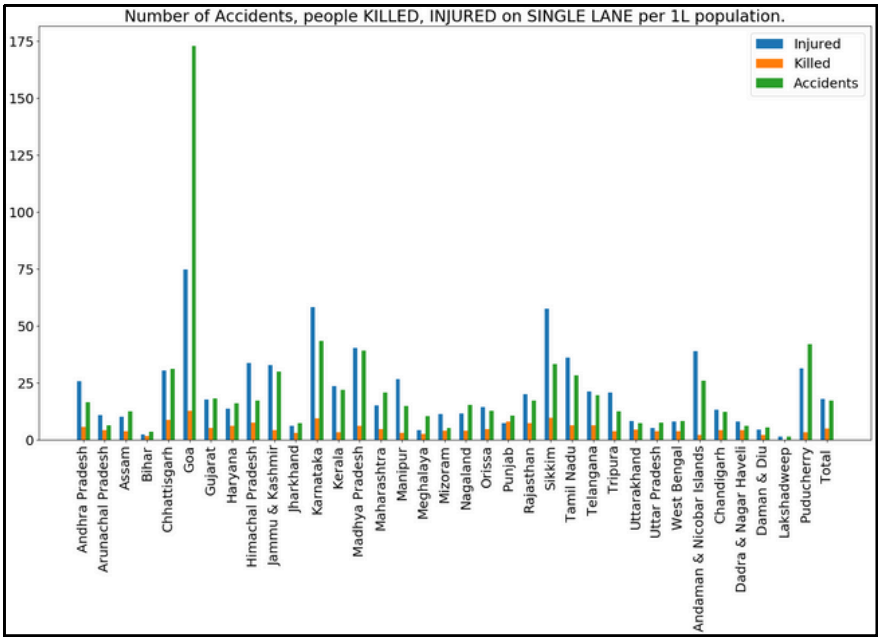

No. of Accidents/Year
No of Accidents
130000
120000
110000
100000
90000
80000
2004
2006
2008
2010
2012
2014
2016
Year

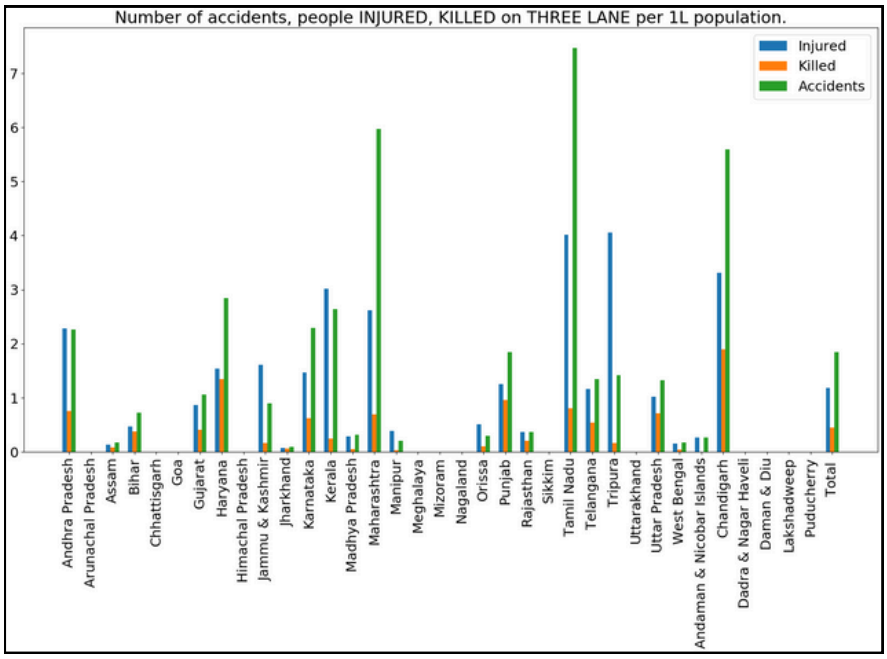

Number of ACCIDENTS for 1,2,3,4 LANE per 1L population of resp. state.
Single Lane
Two Lane
Three Lane
Four Lane
0
25
50
75
100
125
150
175
Andhra Pradesh
Arunachal Pradesh
Assam
Bihar
Chhattisgarh
Goa
Gujarat
Haryana
Himachal Pradesh
Jammu & Kashmir
Jharkhand
Karnataka
Kerala
Madhya Pradesh
Maharashtra
Manipur
Meghalaya
Mizoram
Nagaland
Orissa
Punjab
Rajasthan
Sikkim
Tamil Nadu
Telangana
Tripura
Uttarakhand
Uttar Pradesh
West Bengal
Andaman & Nicobar Islands
Chandigarh
Dadra & Nagar Haveli
Daman & Diu
Lakshadweep
Puducherry
Total

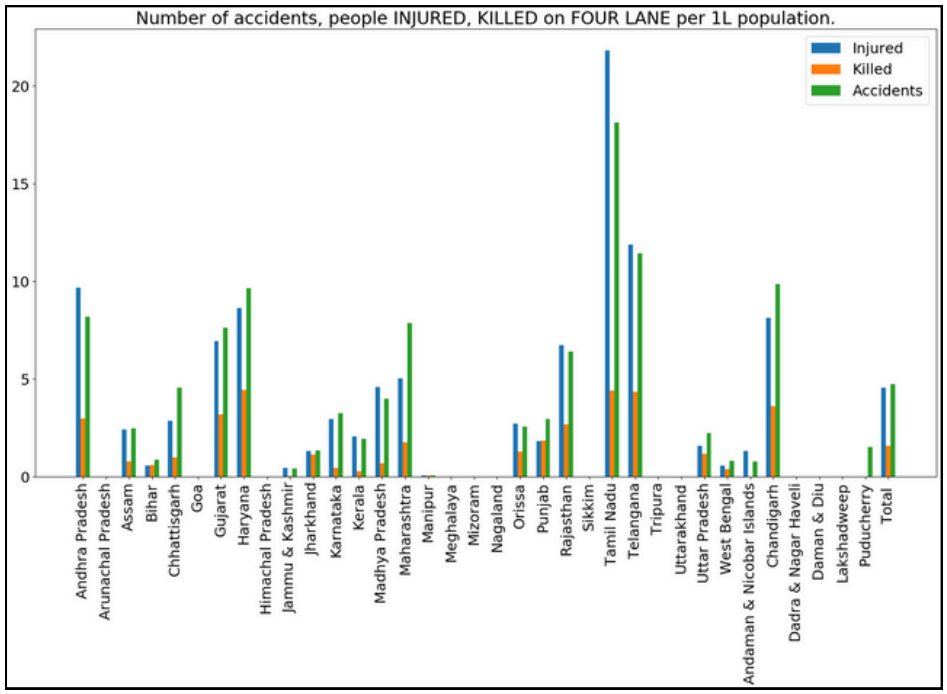

Number of people INJURED for 1,2,3,4 type of lane per 1L population of resp. States.
Single Lane
Double lane
3 Lanes or more w.o Median
4 Lanes with Median
0
20
40
60
80
Andhra Pradesh
Arunachal Pradesh
Assam
Bihar
Chhattisgarh
Goa
Gujarat
Haryana
Himachal Pradesh
Jammu & Kashmir
Jharkhand
Karnataka
Kerala
Madhya Pradesh
Maharashtra
Manipur
Meghalaya
Mizoram
Nagaland
Orissa
Punjab
Rajasthan
Sikkim
Tamil Nadu
Telangana
Tripura
Uttarakhand
Uttar Pradesh
West Bengal
Andaman & Nicobar Islands
Chandigarh
Dadra & Nagar Haveli
Daman & Diu
Lakshadweep
Puducherry
Total

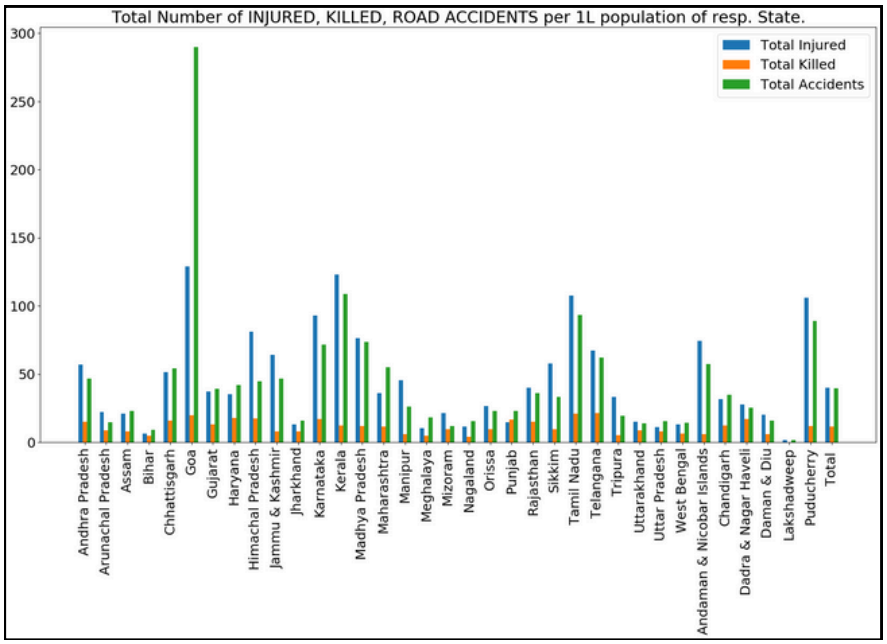

Number of people KILLED for 1,2,3,4 LANES per 1L population of resp. States.
Single Lane
Double lane
3 Lanes or more w.o Median
4 Lanes with Median
0
2
4
6
8
10
12
Andhra Pradesh
Arunachal Pradesh
Assam
Bihar
Chhattisgarh
Goa
Gujarat
Haryana
Himachal Pradesh
Jammu & Kashmir
Jharkhand
Karnataka
Kerala
Madhya Pradesh
Maharashtra
Manipur
Meghalaya
Mizoram
Nagaland
Orissa
Punjab
Rajasthan
Sikkim
Tamil Nadu
Telangana
Tripura
Uttarakhand
Uttar Pradesh
West Bengal
Andaman & Nicobar Islands
Chandigarh
Dadra & Nagar Haveli
Daman & Diu
Lakshadweep
Puducherry
Total

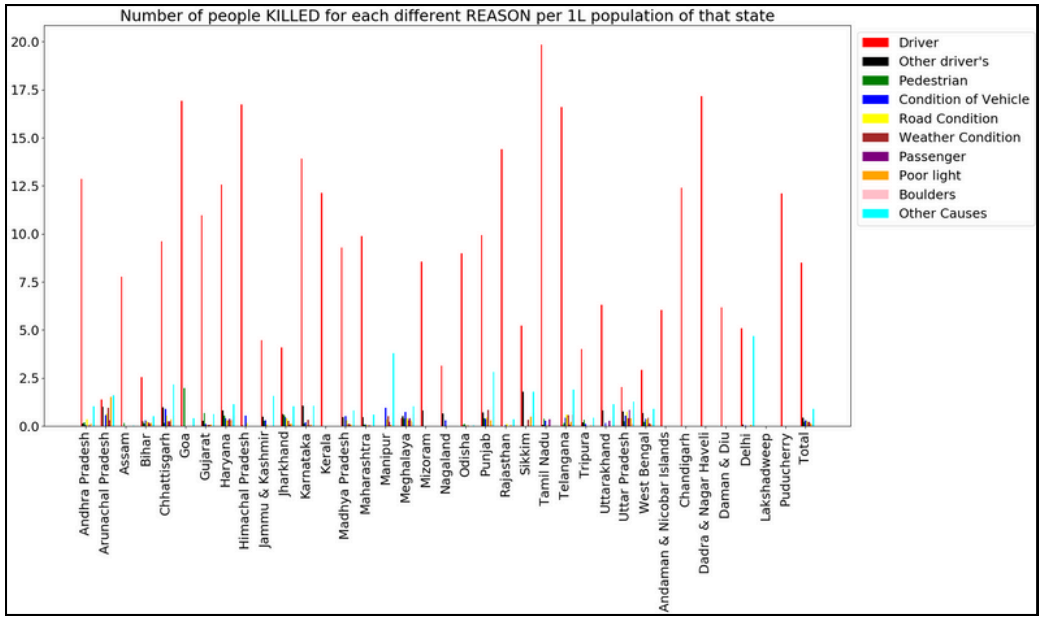

Number of accidents, people INJURED, KILLED on DOUBLE LANE per 1L population.
Injured
Killed
Accidents
0
20
40
60
80
100
120
Andhra Pradesh
Arunachal Pradesh
Assam
Bihar
Chhattisgarh
Goa
Gujarat
Haryana
Himachal Pradesh
Jammu & Kashmir
Jharkhand
Karnataka
Kerala
Madhya Pradesh
Maharashtra
Manipur
Meghalaya
Mizoram
Nagaland
Orissa
Punjab
Rajasthan
Sikkim
Tamil Nadu
Telangana
Tripura
Uttarakhand
Uttar Pradesh
West Bengal
Andaman & Nicobar Islands
Chandigarh
Dadra & Nagar Haveli
Daman & Diu
Lakshadweep
Puducherry
Total

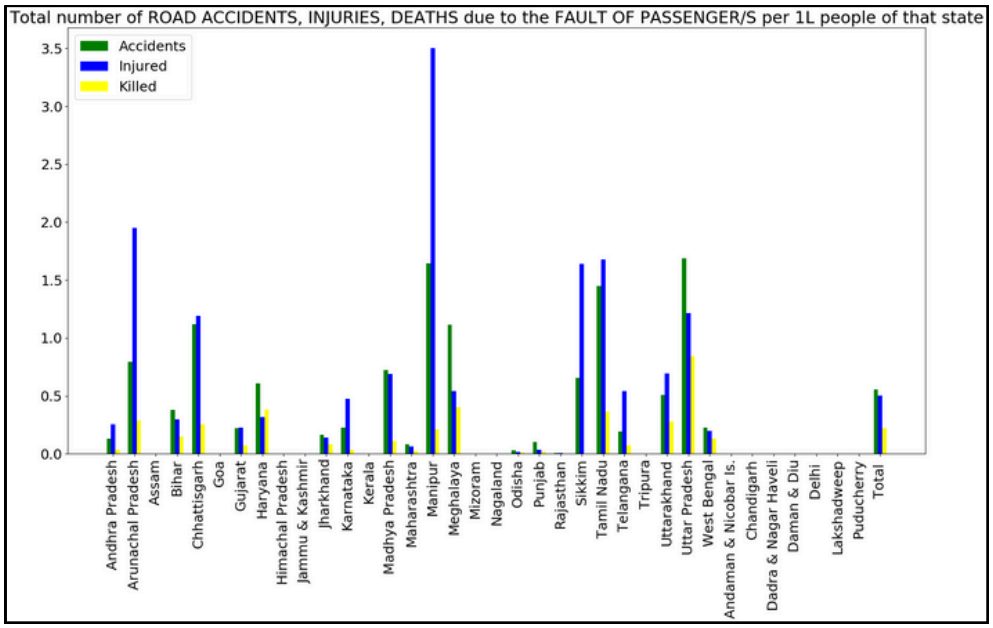

Number of Accidents, people KILLED, INJURED on SINGLE LANE per 1L population.
Injured
Killed
Accidents
0
25
50
75
100
125
150
175
Andhra Pradesh
Arunachal Pradesh
Assam
Bihar
Chhattisgarh
Goa
Gujarat
Haryana
Himachal Pradesh
Jammu & Kashmir
Jharkhand
Karnataka
Kerala
Madhya Pradesh
Maharashtra
Manipur
Meghalaya
Mizoram
Nagaland
Orissa
Punjab
Rajasthan
Sikkim
Tamil Nadu
Telangana
Tripura
Uttarakhand
Uttar Pradesh
West Bengal
Andaman & Nicobar Islands
Chandigarh
Dadra & Nagar Haveli
Daman & Diu
Lakshadweep
Puducherry
Total

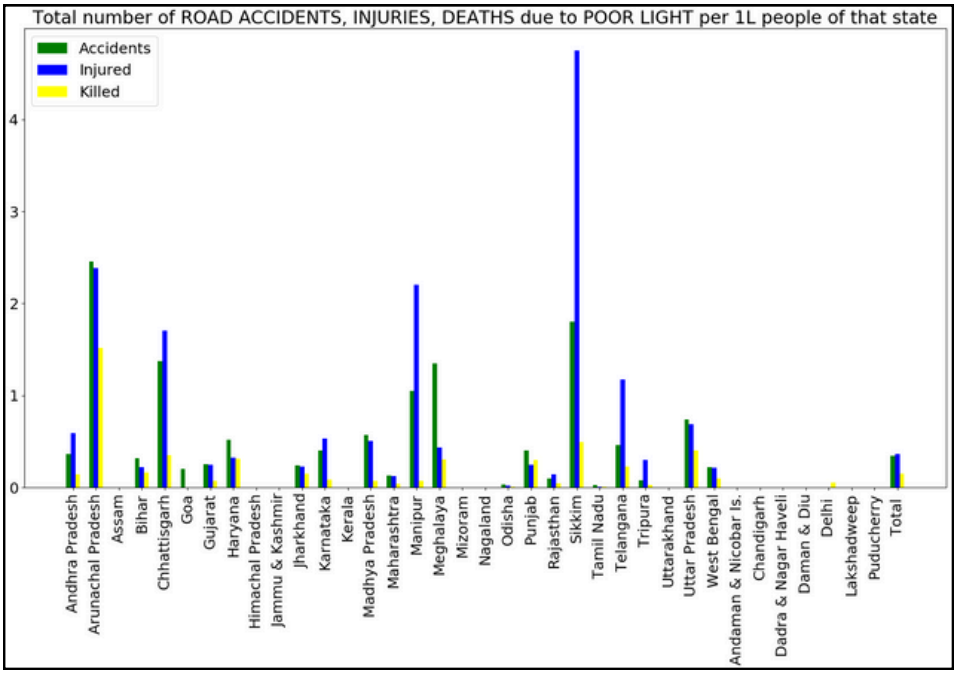

Number of accidents, people INJURED, KILLED on THREE LANE per 1L population.
Injured
Killed
Accidents
0
1
2
3
4
5
6
7
Andhra Pradesh
Arunachal Pradesh
Assam
Bihar
Chhattisgarh
Goa
Gujarat
Haryana
Himachal Pradesh
Jammu & Kashmir
Jharkhand
Karnataka
Kerala
Madhya Pradesh
Maharashtra
Manipur
Meghalaya
Mizoram
Nagaland
Orissa
Punjab
Rajasthan
Sikkim
Tamil Nadu
Telangana
Tripura
Uttarakhand
Uttar Pradesh
West Bengal
Andaman & Nicobar Islands
Chandigarh
Dadra & Nagar Haveli
Daman & Diu
Lakshadweep
Puducherry
Total

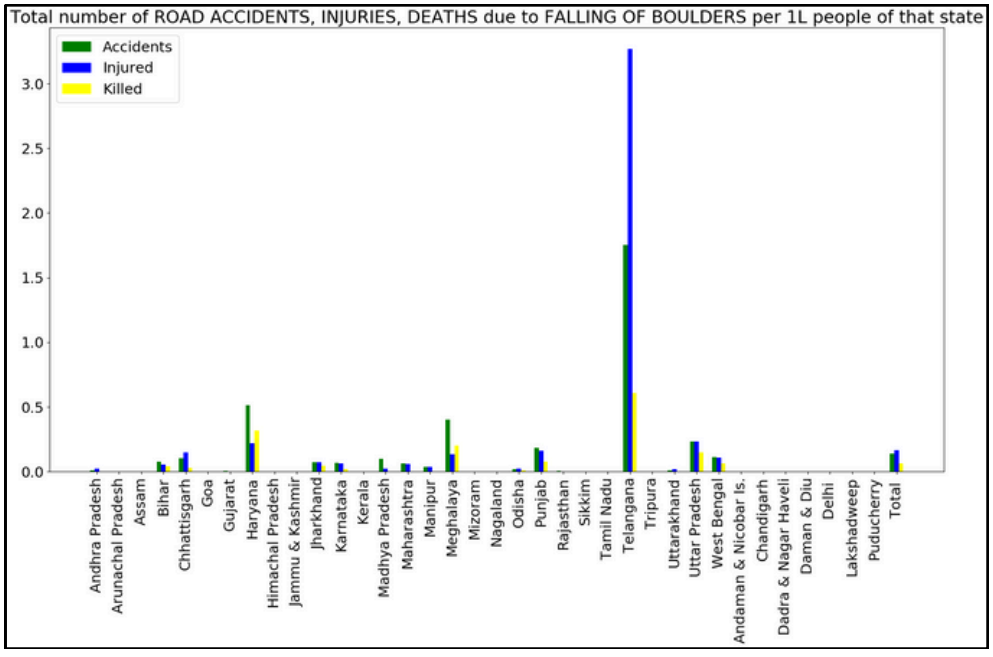

Number of accidents, people INJURED, KILLED on FOUR LANE per 1L population.
Injured
Killed
Accidents
0
5
10
15
20
Andhra Pradesh
Arunachal Pradesh
Assam
Bihar
Chhattisgarh
Goa
Gujarat
Haryana
Himachal Pradesh
Jammu & Kashmir
Jharkhand
Karnataka
Kerala
Madhya Pradesh
Maharashtra
Manipur
Meghalaya
Mizoram
Nagaland
Orissa
Punjab
Rajasthan
Sikkim
Tamil Nadu
Telangana
Tripura
Uttarakhand
Uttar Pradesh
West Bengal
Andaman & Nicobar Islands
Chandigarh
Dadra & Nagar Haveli
Daman & Diu
Lakshadweep
Puducherry
Total

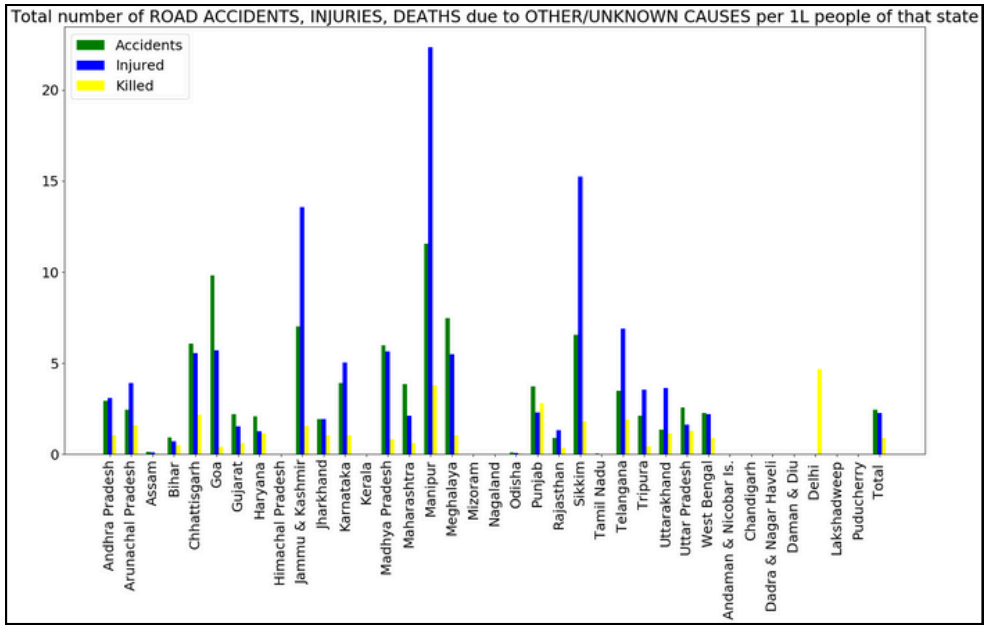

Total Number of INJURED, KILLED, ROAD ACCIDENTS per 1L population of resp. State.
Total Injured
Total Killed
Total Accidents
0
50
100
150
200
250
300
Andhra Pradesh
Arunachal Pradesh
Assam
Bihar
Chhattisgarh
Goa
Gujarat
Haryana
Himachal Pradesh
Jammu & Kashmir
Jharkhand
Karnataka
Kerala
Madhya Pradesh
Maharashtra
Manipur
Meghalaya
Mizoram
Nagaland
Orissa
Punjab
Rajasthan
Sikkim
Tamil Nadu
Telangana
Tripura
Uttarakhand
Uttar Pradesh
West Bengal
Andaman & Nicobar Islands
Chandigarh
Dadra & Nagar Haveli
Daman & Diu
Lakshadweep
Puducherry
Total

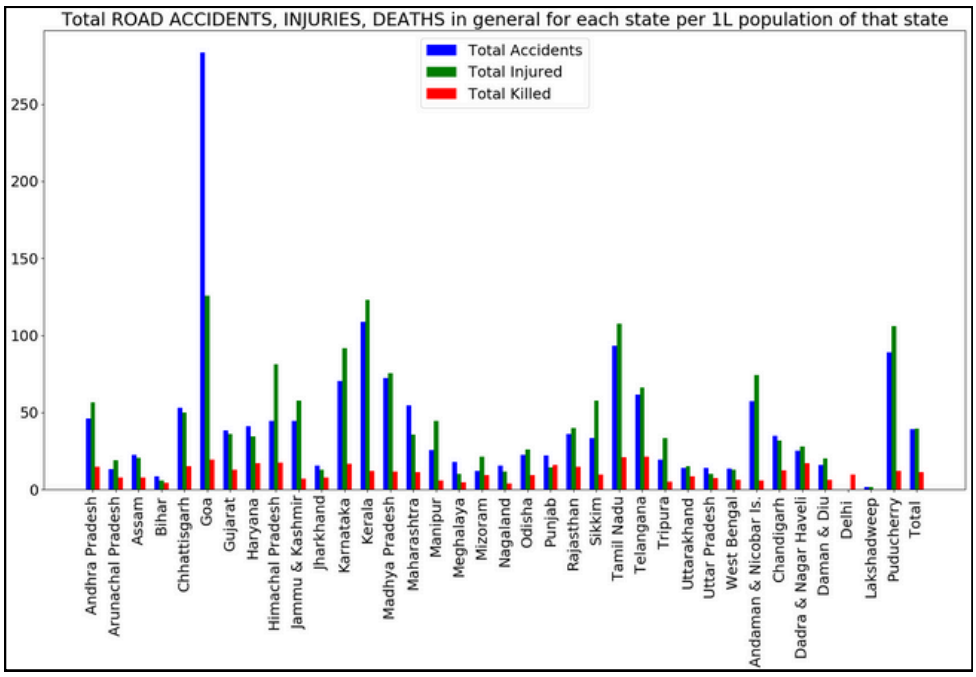

Number of people KILLED for each different REASON per 1L population of that state
Driver
Other driver's
Pedestrian
Condition of Vehicle
Road Condition
Weather Condition
Passenger
Poor light
Boulders
Other Causes
0.0
2.5
5.0
7.5
10.0
12.5
15.0
17.5
20.0
Andhra Pradesh
Arunachal Pradesh
Assam
Bihar
Chhattisgarh
Goa
Gujarat
Haryana
Himachal Pradesh
Jammu & Kashmir
Jharkhand
Karnataka
Kerala
Madhya Pradesh
Maharashtra
Manipur
Meghalaya
Mizoram
Nagaland
Odisha
Punjab
Rajasthan
Sikkim
Tamil Nadu
Telangana
Tripura
Uttarakhand
Uttar Pradesh
West Bengal
Andaman & Nicobar Islands
Chandigarh
Dadra & Nagar Haveli
Daman & Diu
Delhi
Lakshadweep
Puducherry
Total

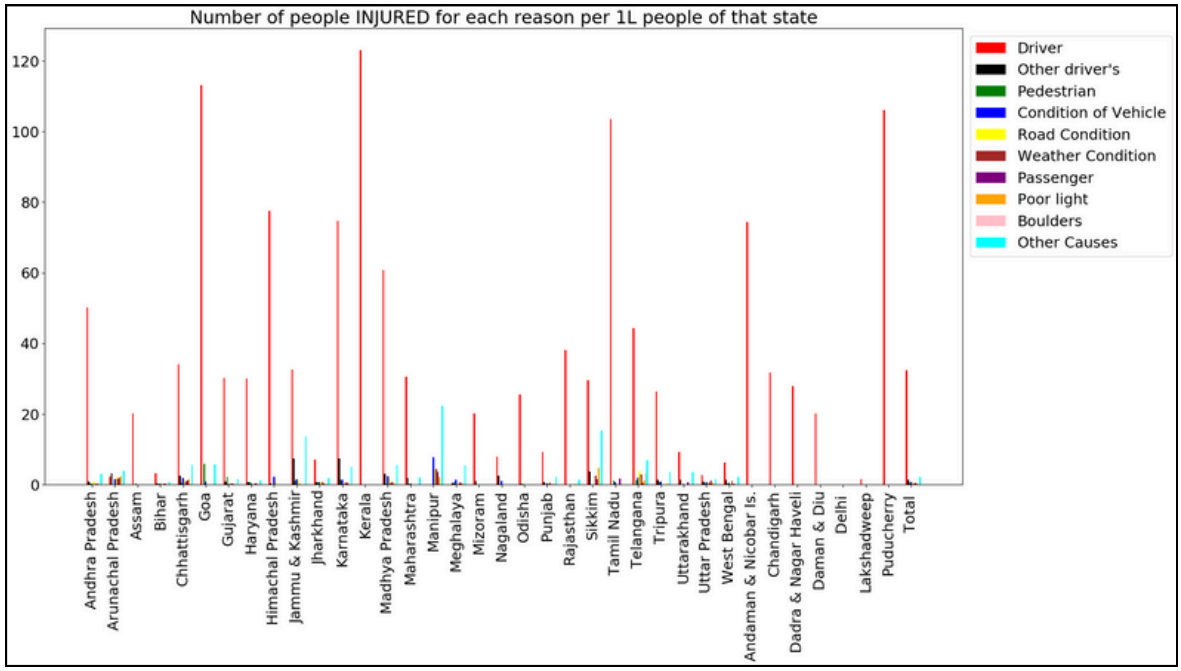

Total number of ROAD ACCIDENTS, INJURIES, DEATHS due to the FAULT OF PASSENGER/S per 1L people of that state
Accidents
Injured
Killed
0.0
0.5
1.0
1.5
2.0
2.5
3.0
3.5
Andhra Pradesh
Arunachal Pradesh
Assam
Bihar
Chhattisgarh
Goa
Gujarat
Haryana
Himachal Pradesh
Jammu & Kashmir
Jharkhand
Karnataka
Kerala
Madhya Pradesh
Maharashtra
Manipur
Meghalaya
Mizoram
Nagaland
Odisha
Punjab
Rajasthan
Sikkim
Tamil Nadu
Telangana
Tripura
Uttarakhand
Uttar Pradesh
West Bengal
Andaman & Nicobar Is.
Chandigarh
Dadra & Nagar Haveli
Daman & Diu
Delhi
Lakshadweep
Puducherry
Total

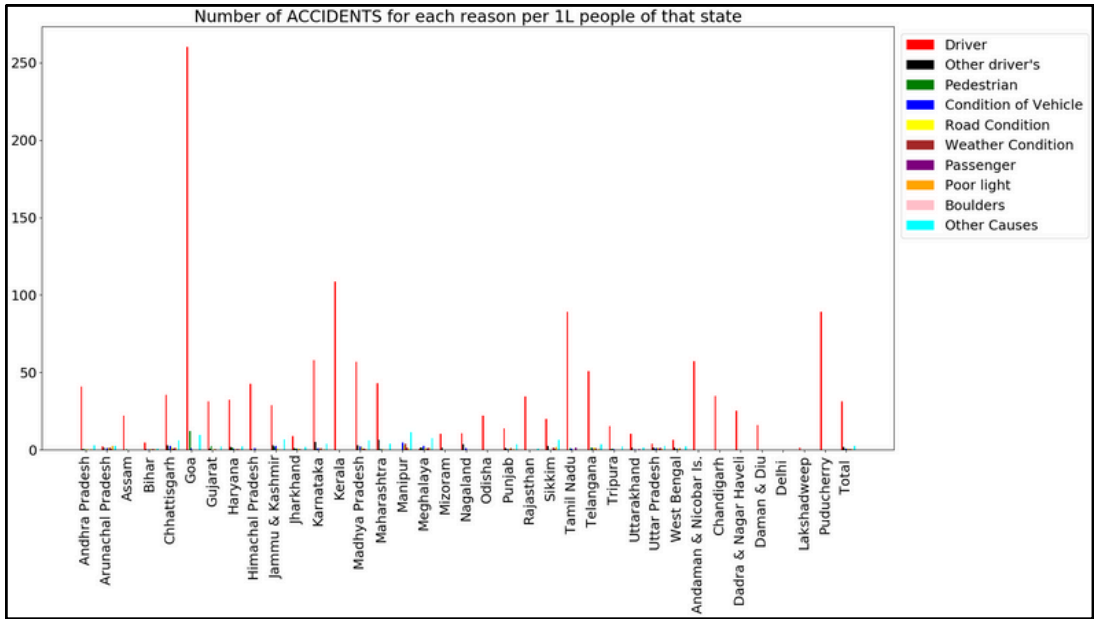

Total number of ROAD ACCIDENTS, INJURIES, DEATHS due to POOR LIGHT per 1L people of that state
Accidents
Injured
Killed
0
1
2
3
4
Andhra Pradesh
Arunachal Pradesh
Assam
Bihar
Chhattisgarh
Goa
Gujarat
Haryana
Himachal Pradesh
Jammu & Kashmir
Jharkhand
Karnataka
Kerala
Madhya Pradesh
Maharashtra
Manipur
Meghalaya
Mizoram
Nagaland
Odisha
Punjab
Rajasthan
Sikkim
Tamil Nadu
Telangana
Tripura
Uttarakhand
Uttar Pradesh
West Bengal
Andaman & Nicobar Is.
Chandigarh
Dadra & Nagar Haveli
Daman & Diu
Delhi
Lakshadweep
Puducherry
Total

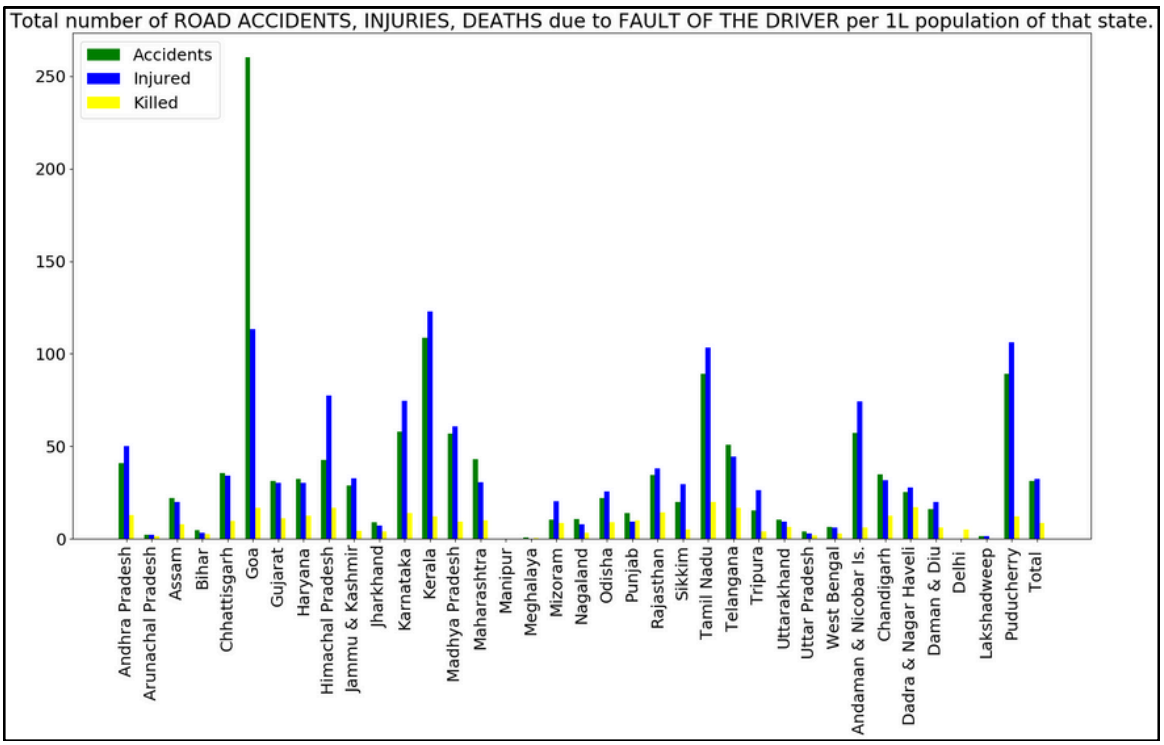

Total number of ROAD ACCIDENTS, INJURIES, DEATHS due to FALLING OF BOULDERS per 1L people of that state
Accidents
Injured
Killed
0.0
0.5
1.0
1.5
2.0
2.5
3.0
Andhra Pradesh
Arunachal Pradesh
Assam
Bihar
Chhattisgarh
Goa
Gujarat
Haryana
Himachal Pradesh
Jammu & Kashmir
Jharkhand
Karnataka
Kerala
Madhya Pradesh
Maharashtra
Manipur
Meghalaya
Mizoram
Nagaland
Odisha
Punjab
Rajasthan
Sikkim
Tamil Nadu
Telangana
Tripura
Uttarakhand
Uttar Pradesh
West Bengal
Andaman & Nicobar Is.
Chandigarh
Dadra & Nagar Haveli
Daman & Diu
Delhi
Lakshadweep
Puducherry
Total

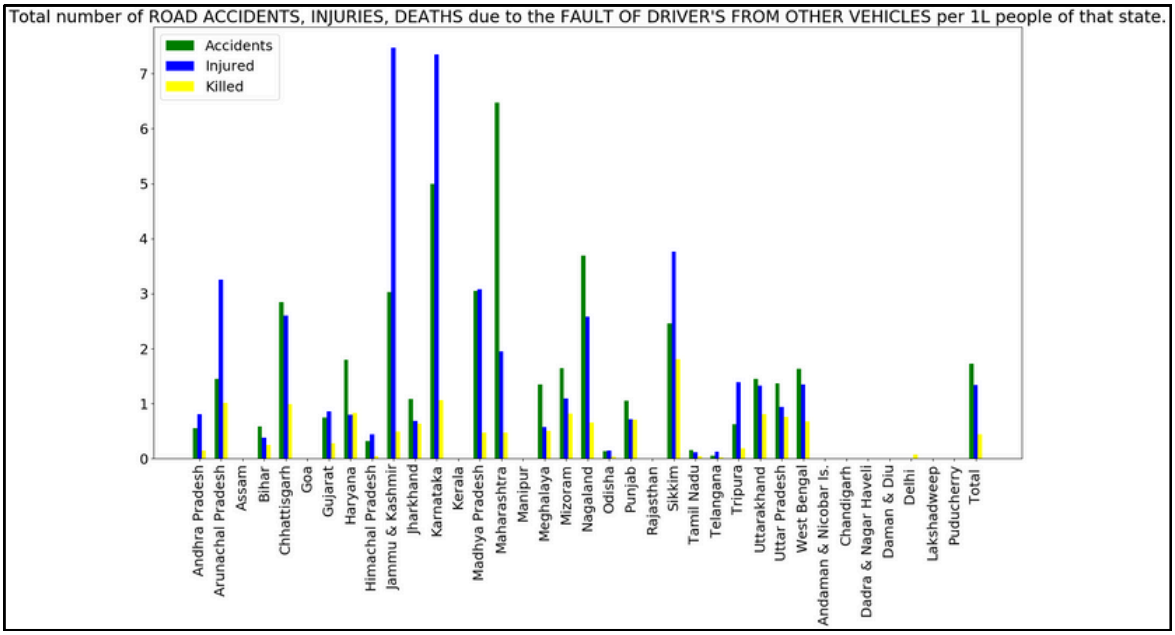

Total number of ROAD ACCIDENTS, INJURIES, DEATHS due to OTHER/UNKNOWN CAUSES per 1L people of that state
Accidents
Injured
Killed
0
5
10
15
20
Andhra Pradesh
Arunachal Pradesh
Assam
Bihar
Chhattisgarh
Goa
Gujarat
Haryana
Himachal Pradesh
Jammu & Kashmir
Jharkhand
Karnataka
Kerala
Madhya Pradesh
Maharashtra
Manipur
Meghalaya
Mizoram
Nagaland
Odisha
Punjab
Rajasthan
Sikkim
Tamil Nadu
Telangana
Tripura
Uttarakhand
Uttar Pradesh
West Bengal
Andaman & Nicobar Is.
Chandigarh
Dadra & Nagar Haveli
Daman & Diu
Delhi
Lakshadweep
Puducherry
Total

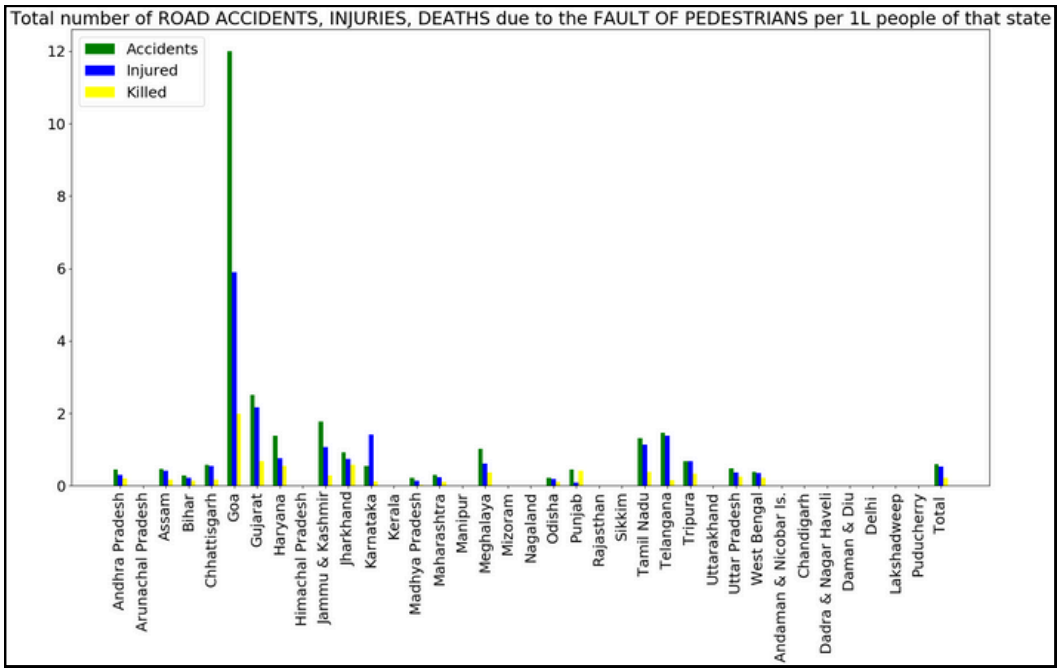

Total ROAD ACCIDENTS, INJURIES, DEATHS in general for each state per 1L population of that state
Total Accidents
Total Injured
Total Killed
0
50
100
150
200
250
Andhra Pradesh
Arunachal Pradesh
Assam
Bihar
Chhattisgarh
Goa
Gujarat
Haryana
Himachal Pradesh
Jammu & Kashmir
Jharkhand
Karnataka
Kerala
Madhya Pradesh
Maharashtra
Manipur
Meghalaya
Mizoram
Nagaland
Odisha
Punjab
Rajasthan
Sikkim
Tamil Nadu
Telangana
Tripura
Uttarakhand
Uttar Pradesh
West Bengal
Andaman & Nicobar Is.
Chandigarh
Dadra & Nagar Haveli
Daman & Diu
Delhi
Lakshadweep
Puducherry
Total

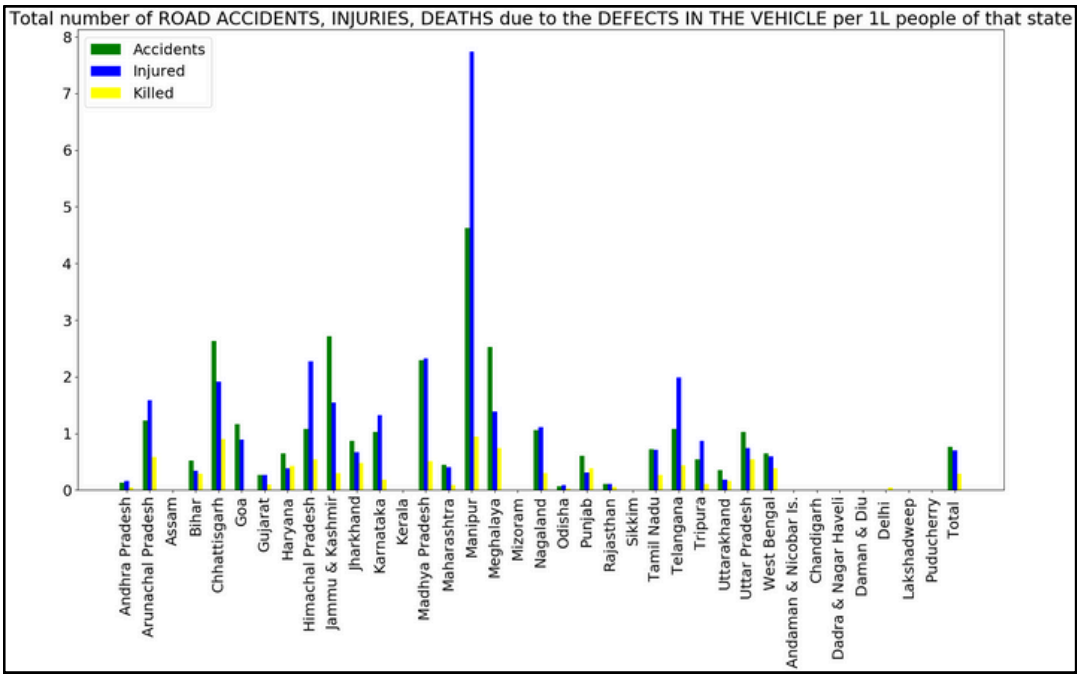

Number of people INJURED for each reason per 1L people of that state
Driver
Other driver's
Pedestrian
Condition of Vehicle
Road Condition
Weather Condition
Passenger
Poor light
Boulders
Other Causes
0
20
40
60
80
100
120
Andhra Pradesh
Arunachal Pradesh
Assam
Bihar
Chhattisgarh
Goa
Gujarat
Haryana
Himachal Pradesh
Jammu & Kashmir
Jharkhand
Karnataka
Kerala
Madhya Pradesh
Maharashtra
Manipur
Meghalaya
Mizoram
Nagaland
Odisha
Punjab
Rajasthan
Sikkim
Tamil Nadu
Telangana
Tripura
Uttarakhand
Uttar Pradesh
West Bengal
Andaman & Nicobar Is.
Chandigarh
Dadra & Nagar Haveli
Daman & Diu
Delhi
Lakshadweep
Puducherry
Total

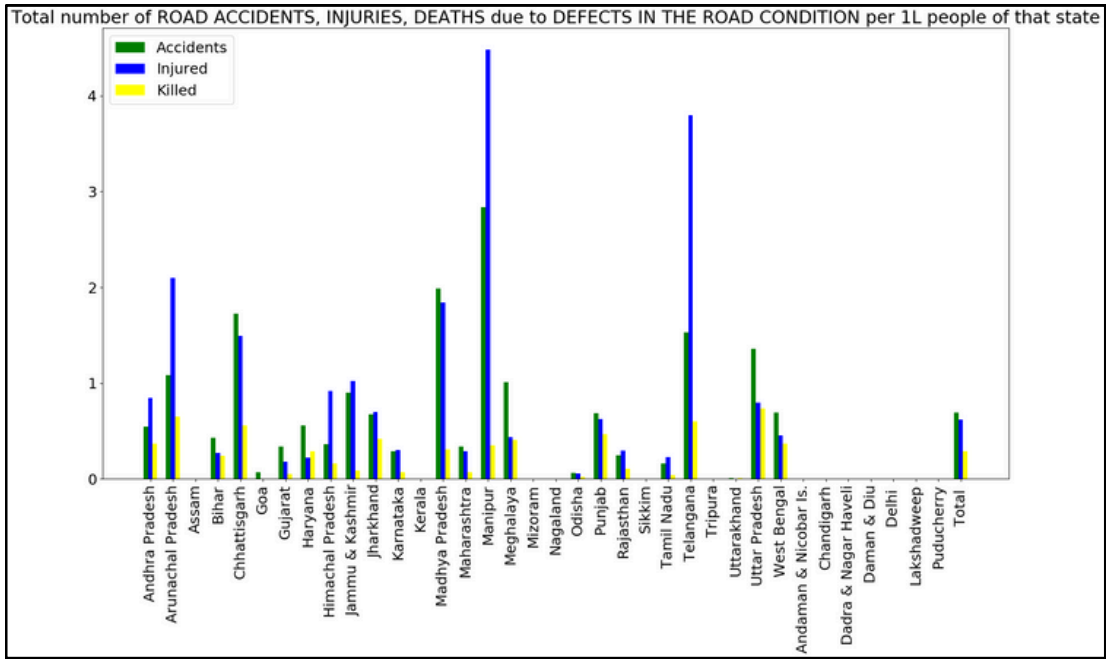

Number of ACCIDENTS for each reason per 1L people of that state
Driver
Other driver's
Pedestrian
Condition of Vehicle
Road Condition
Weather Condition
Passenger
Poor light
Boulders
Other Causes
0
50
100
150
200
250
Andhra Pradesh
Arunachal Pradesh
Assam
Bihar
Chhattisgarh
Goa
Gujarat
Haryana
Himachal Pradesh
Jammu & Kashmir
Jharkhand
Karnataka
Kerala
Madhya Pradesh
Maharashtra
Manipur
Meghalaya
Mizoram
Nagaland
Odisha
Punjab
Rajasthan
Sikkim
Tamil Nadu
Telangana
Tripura
Uttarakhand
Uttar Pradesh
West Bengal
Andaman & Nicobar Is.
Chandigarh
Dadra & Nagar Haveli
Daman & Diu
Delhi
Lakshadweep
Puducherry
Total

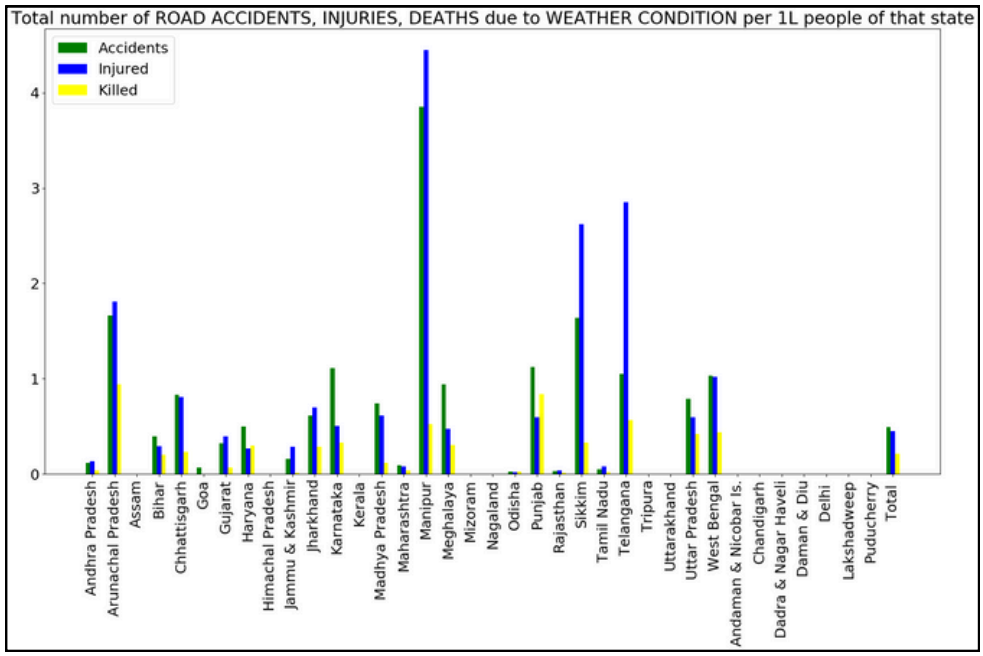

Total number of ROAD ACCIDENTS, INJURIES, DEATHS due to FAULT OF THE DRIVER per 1L population of that state.
Accidents
Injured
Killed
0
50
100
150
200
250
Andhra Pradesh
Arunachal Pradesh
Assam
Bihar
Chhattisgarh
Goa
Gujarat
Haryana
Himachal Pradesh
Jammu & Kashmir
Jharkhand
Karnataka
Kerala
Madhya Pradesh
Maharashtra
Manipur
Meghalaya
Mizoram
Nagaland
Odisha
Punjab
Rajasthan
Sikkim
Tamil Nadu
Telangana
Tripura
Uttarakhand
Uttar Pradesh
West Bengal
Andaman & Nicobar Is.
Chandigarh
Dadra & Nagar Haveli
Daman & Diu
Delhi
Lakshadweep
Puducherry
Total

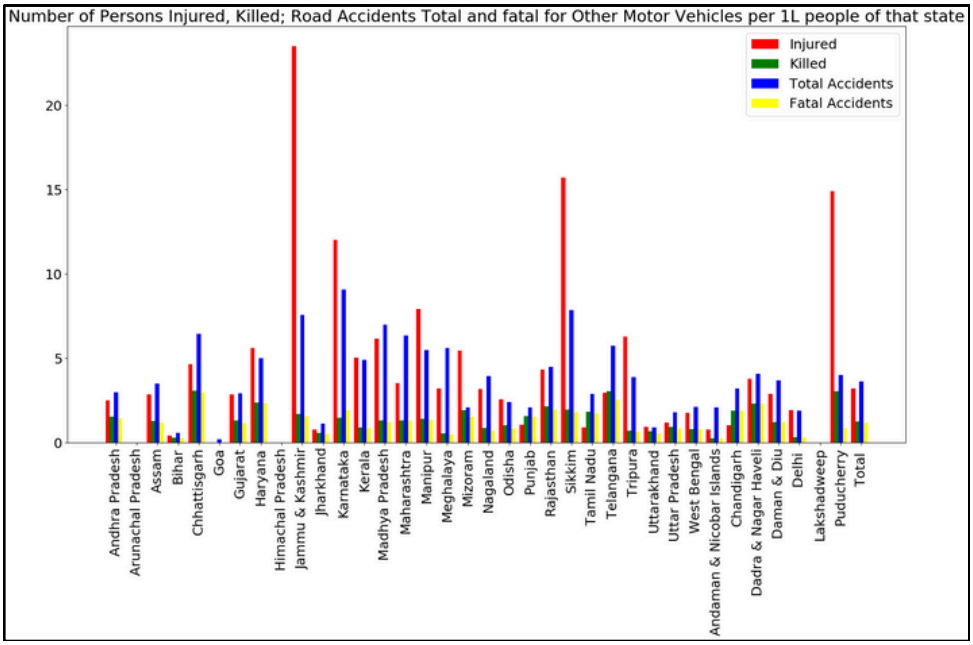

Total number of ROAD ACCIDENTS, INJURIES, DEATHS due to the FAULT OF DRIVER'S FROM OTHER VEHICLES per 1L people of that state.
Accidents
Injured
Killed
0
1
2
3
4
5
6
7
Andhra Pradesh
Arunachal Pradesh
Assam
Bihar
Chhattisgarh
Goa
Gujarat
Haryana
Himachal Pradesh
Jammu & Kashmir
Jharkhand
Karnataka
Kerala
Madhya Pradesh
Maharashtra
Manipur
Meghalaya
Mizoram
Nagaland
Odisha
Punjab
Rajasthan
Sikkim
Tamil Nadu
Telangana
Tripura
Uttarakhand
Uttar Pradesh
West Bengal
Andaman & Nicobar Is.
Chandigarh
Dadra & Nagar Haveli
Daman & Diu
Delhi
Lakshadweep
Puducherry
Total

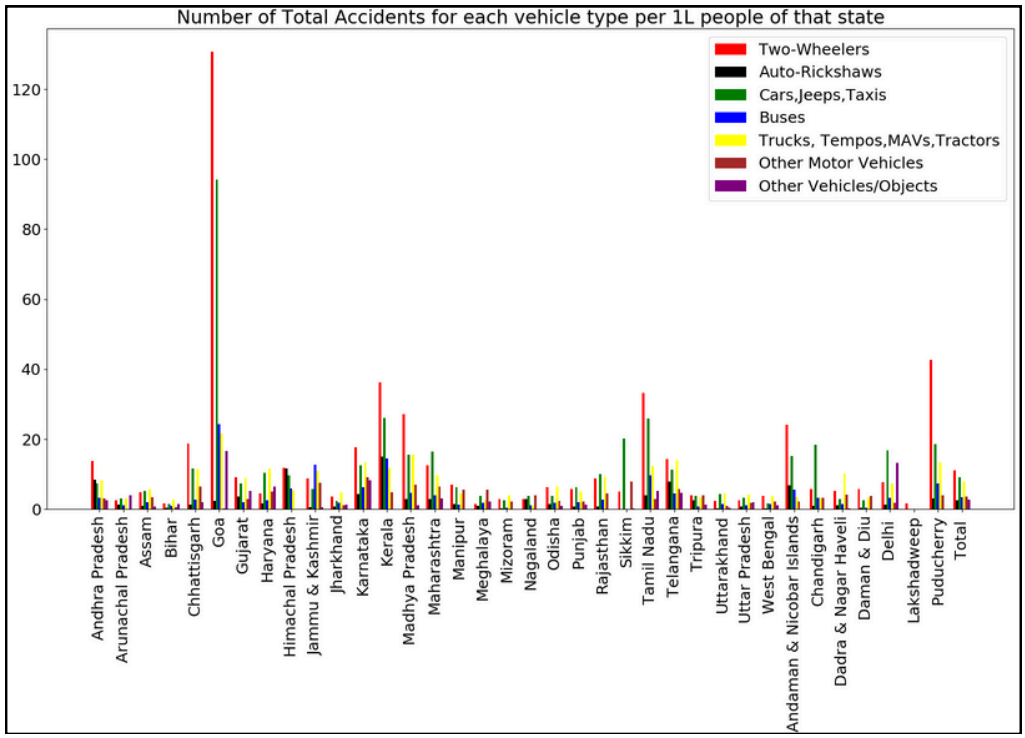

Total number of ROAD ACCIDENTS, INJURIES, DEATHS due to the FAULT OF PEDESTRIANS per 1L people of that state
Accidents
Injured
Killed
0
2
4
6
8
10
12
Andhra Pradesh
Arunachal Pradesh
Assam
Bihar
Chhattisgarh
Goa
Gujarat
Haryana
Himachal Pradesh
Jammu & Kashmir
Jharkhand
Karnataka
Kerala
Madhya Pradesh
Maharashtra
Manipur
Meghalaya
Mizoram
Nagaland
Odisha
Punjab
Rajasthan
Sikkim
Tamil Nadu
Telangana
Tripura
Uttarakhand
Uttar Pradesh
West Bengal
Andaman & Nicobar Is.
Chandigarh
Dadra & Nagar Haveli
Daman & Diu
Delhi
Lakshadweep
Puducherry
Total

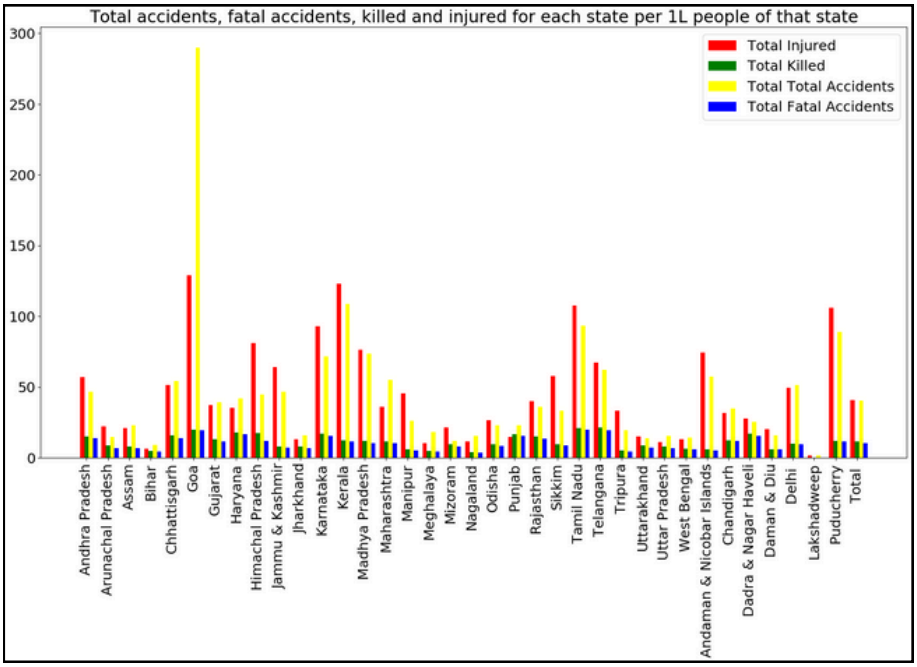

Total number of ROAD ACCIDENTS, INJURIES, DEATHS due to the DEFECTS IN THE VEHICLE per 1L people of that state
Accidents
Injured
Killed
0
1
2
3
4
5
6
7
8
Andhra Pradesh
Arunachal Pradesh
Assam
Bihar
Chhattisgarh
Goa
Gujarat
Haryana
Himachal Pradesh
Jammu & Kashmir
Jharkhand
Karnataka
Kerala
Madhya Pradesh
Maharashtra
Manipur
Meghalaya
Mizoram
Nagaland
Odisha
Punjab
Rajasthan
Sikkim
Tamil Nadu
Telangana
Tripura
Uttarakhand
Uttar Pradesh
West Bengal
Andaman & Nicobar Is.
Chandigarh
Dadra & Nagar Haveli
Daman & Diu
Delhi
Lakshadweep
Puducherry
Total

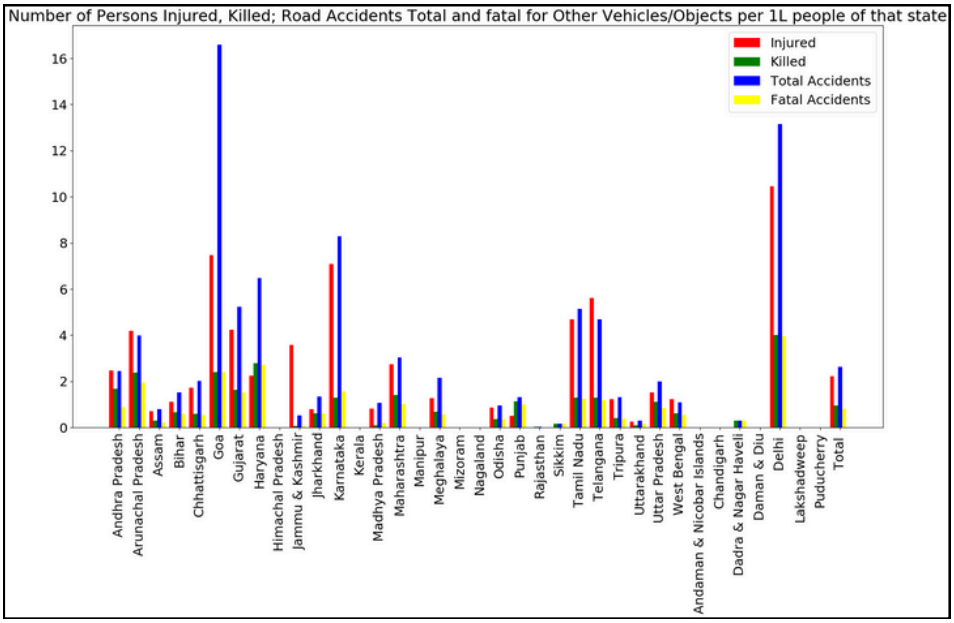

Total number of ROAD ACCIDENTS, INJURIES, DEATHS due to DEFECTS IN THE ROAD CONDITION per 1L people of that state
Accidents
Injured
Killed
0
1
2
3
4
Andhra Pradesh
Arunachal Pradesh
Assam
Bihar
Chhattisgarh
Goa
Gujarat
Haryana
Himachal Pradesh
Jammu & Kashmir
Jharkhand
Karnataka
Kerala
Madhya Pradesh
Maharashtra
Manipur
Meghalaya
Mizoram
Nagaland
Odisha
Punjab
Rajasthan
Sikkim
Tamil Nadu
Telangana
Tripura
Uttarakhand
Uttar Pradesh
West Bengal
Andaman & Nicobar Is.
Chandigarh
Dadra & Nagar Haveli
Daman & Diu
Delhi
Lakshadweep
Puducherry
Total

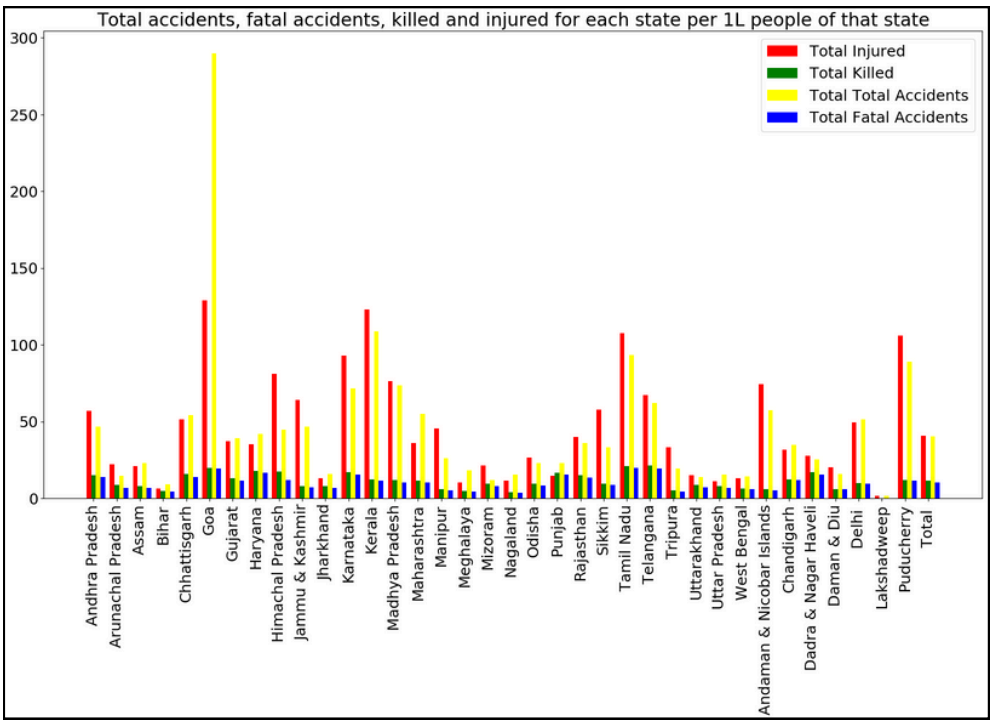

Total number of ROAD ACCIDENTS, INJURIES, DEATHS due to WEATHER CONDITION per 1L people of that state
Accidents
Injured
Killed
0
1
2
3
4
Andhra Pradesh
Arunachal Pradesh
Assam
Bihar
Chhattisgarh
Goa
Gujarat
Haryana
Himachal Pradesh
Jammu & Kashmir
Jharkhand
Karnataka
Kerala
Madhya Pradesh
Maharashtra
Manipur
Meghalaya
Mizoram
Nagaland
Odisha
Punjab
Rajasthan
Sikkim
Tamil Nadu
Telangana
Tripura
Uttarakhand
Uttar Pradesh
West Bengal
Andaman & Nicobar Is.
Chandigarh
Dadra & Nagar Haveli
Daman & Diu
Delhi
Lakshadweep
Puducherry
Total

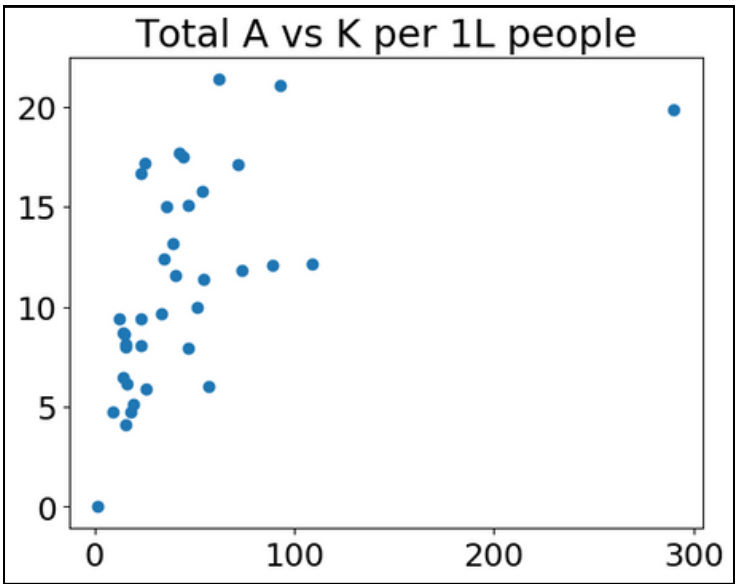

Number of Persons Injured, Killed; Road Accidents Total and fatal for Other Motor Vehicles per 1L people of that state
Injured
Killed
Total Accidents
Fatal Accidents
0
5
10
15
20
Andhra Pradesh
Arunachal Pradesh
Assam
Bihar
Chhattisgarh
Goa
Gujarat
Haryana
Himachal Pradesh
Jammu & Kashmir
Jharkhand
Karnataka
Kerala
Madhya Pradesh
Maharashtra
Manipur
Meghalaya
Mizoram
Nagaland
Odisha
Punjab
Rajasthan
Sikkim
Tamil Nadu
Telangana
Tripura
Uttarakhand
Uttar Pradesh
West Bengal
Andaman & Nicobar Islands
Chandigarh
Dadra & Nagar Haveli
Daman & Diu
Delhi
Lakshadweep
Puducherry
Total

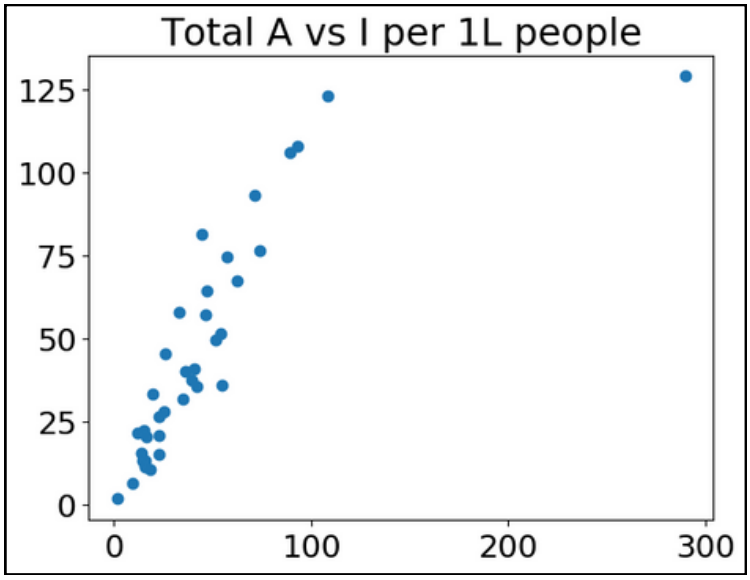

Number of Total Accidents for each vehicle type per 1L people of that state
Two-Wheelers
Auto-Rickshaws
Cars,Jeeps,Taxis
Buses
Trucks, Tempos,MAVs,Tractors
Other Motor Vehicles
Other Vehicles/Objects
0
20
40
60
80
100
120
Andhra Pradesh
Arunachal Pradesh
Assam
Bihar
Chhattisgarh
Goa
Gujarat
Haryana
Himachal Pradesh
Jammu & Kashmir
Jharkhand
Karnataka
Kerala
Madhya Pradesh
Maharashtra
Manipur
Meghalaya
Mizoram
Nagaland
Odisha
Punjab
Rajasthan
Sikkim
Tamil Nadu
Telangana
Tripura
Uttarakhand
Uttar Pradesh
West Bengal
Andaman & Nicobar Islands
Chandigarh
Dadra & Nagar Haveli
Daman & Diu
Delhi
Lakshadweep
Puducherry
Total

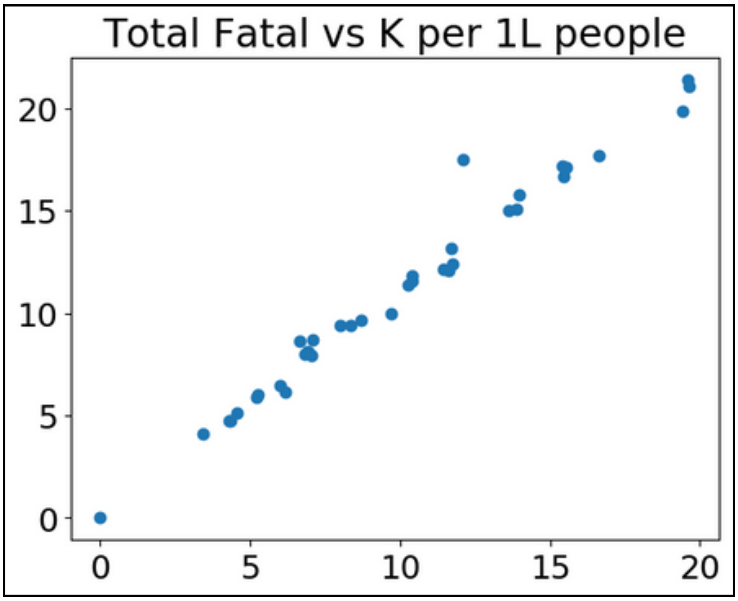

Total accidents, fatal accidents, killed and injured for each state per 1L people of that state
Total Injured
Total Killed
Total Total Accidents
Total Fatal Accidents
0
50
100
150
200
250
300
Andhra Pradesh
Arunachal Pradesh
Assam
Bihar
Chhattisgarh
Goa
Gujarat
Haryana
Himachal Pradesh
Jammu & Kashmir
Jharkhand
Karnataka
Kerala
Madhya Pradesh
Maharashtra
Manipur
Meghalaya
Mizoram
Nagaland
Odisha
Punjab
Rajasthan
Sikkim
Tamil Nadu
Telangana
Tripura
Uttarakhand
Uttar Pradesh
West Bengal
Andaman & Nicobar Islands
Chandigarh
Dadra & Nagar Haveli
Daman & Diu
Delhi
Lakshadweep
Puducherry
Total

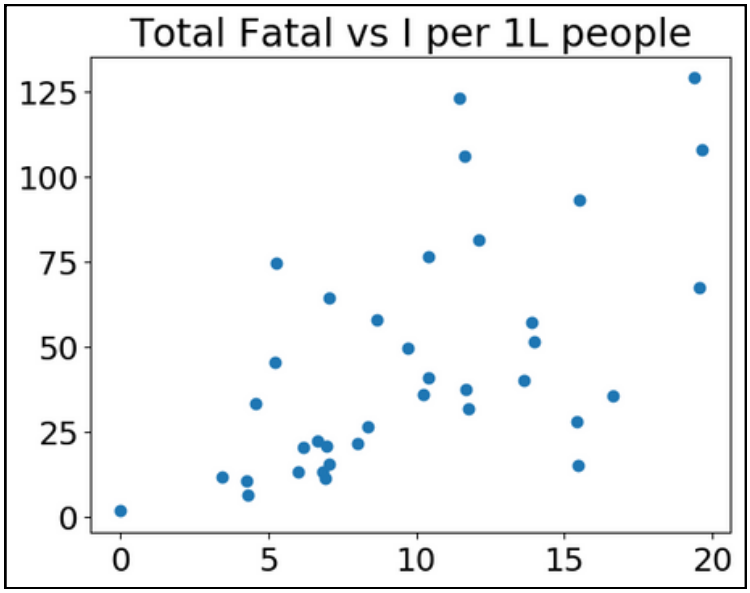

Number of Persons Injured, Killed; Road Accidents Total and fatal for Other Vehicles/Objects per 1L people of that state
Injured
Killed
Total Accidents
Fatal Accidents
0
2
4
6
8
10
12
14
16
Andhra Pradesh
Arunachal Pradesh
Assam
Bihar
Chhattisgarh
Goa
Gujarat
Haryana
Himachal Pradesh
Jammu & Kashmir
Jharkhand
Karnataka
Kerala
Madhya Pradesh
Maharashtra
Manipur
Meghalaya
Mizoram
Nagaland
Odisha
Punjab
Rajasthan
Sikkim
Tamil Nadu
Telangana
Tripura
Uttarakhand
Uttar Pradesh
West Bengal
Andaman & Nicobar Islands
Chandigarh
Dadra & Nagar Haveli
Daman & Diu
Delhi
Lakshadweep
Puducherry
Total

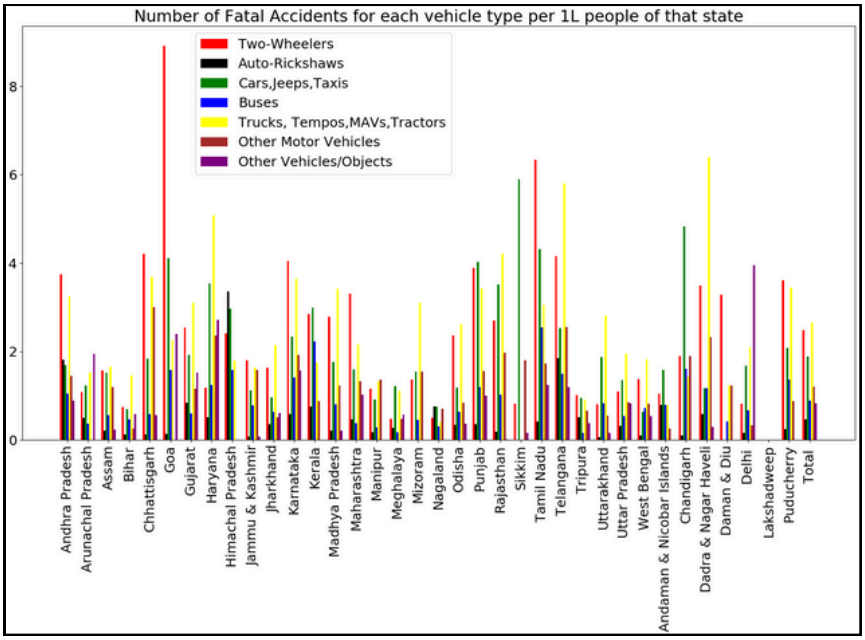

Total accidents, fatal accidents, killed and injured for each state per 1L people of that state
Total Injured
Total Killed
Total Total Accidents
Total Fatal Accidents
0
50
100
150
200
250
300
Andhra Pradesh
Arunachal Pradesh
Assam
Bihar
Chhattisgarh
Goa
Gujarat
Haryana
Himachal Pradesh
Jammu & Kashmir
Jharkhand
Karnataka
Kerala
Madhya Pradesh
Maharashtra
Manipur
Meghalaya
Mizoram
Nagaland
Odisha
Punjab
Rajasthan
Sikkim
Tamil Nadu
Telangana
Tripura
Uttarakhand
Uttar Pradesh
West Bengal
Andaman & Nicobar Islands
Chandigarh
Dadra & Nagar Haveli
Daman & Diu
Delhi
Lakshadweep
Puducherry
Total

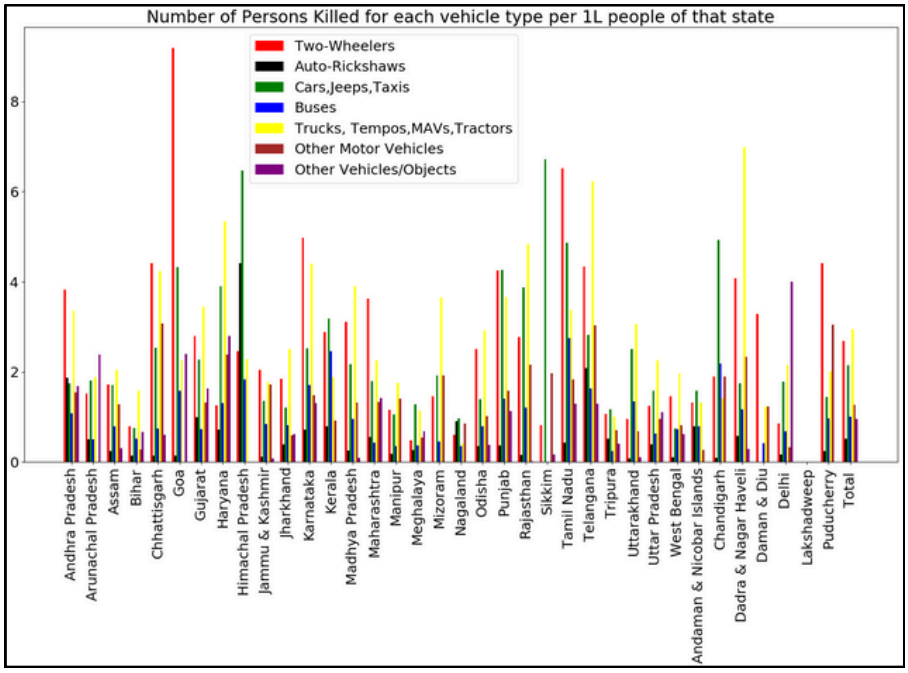

Total A vs K per 1L people
0
5
10
15
20
0
100
200
300

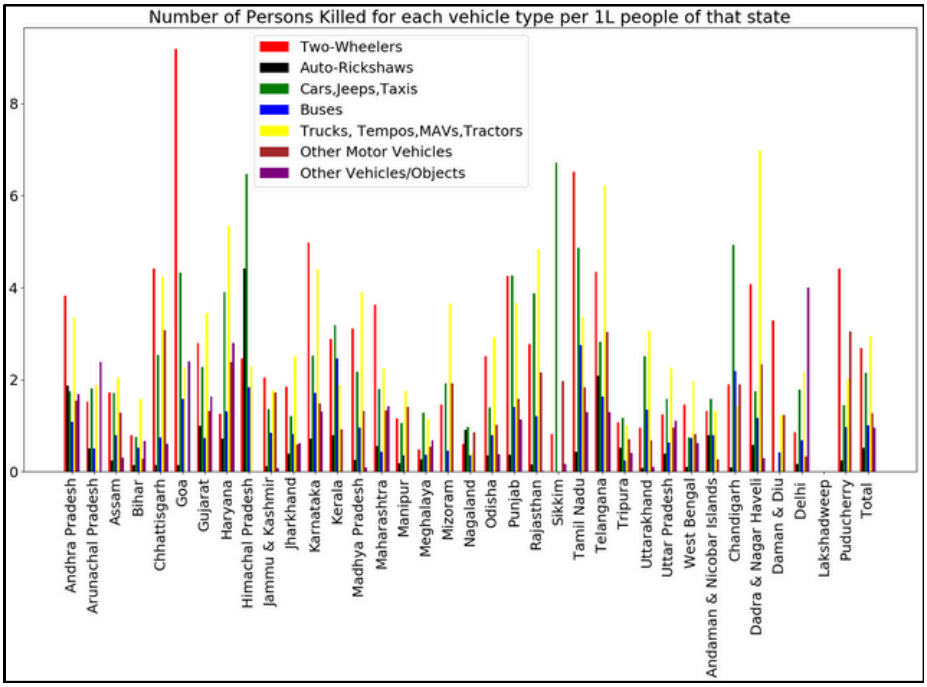

Total A vs I per 1L people
0
25
50
75
100
125
0
100
200
300

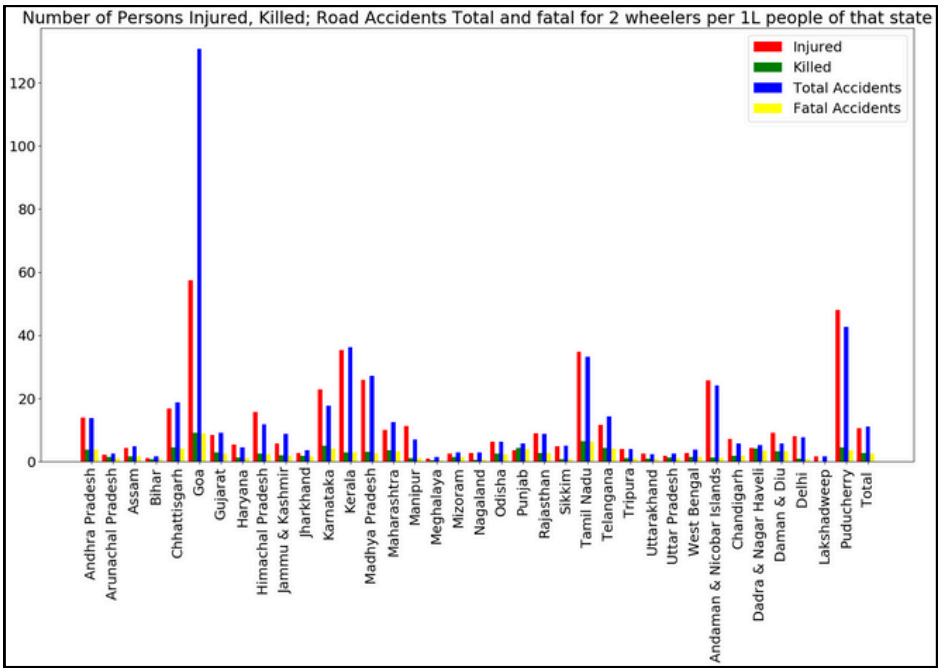

Total Fatal vs K per 1L people
0
5
10
15
20
0
5
10
15
20

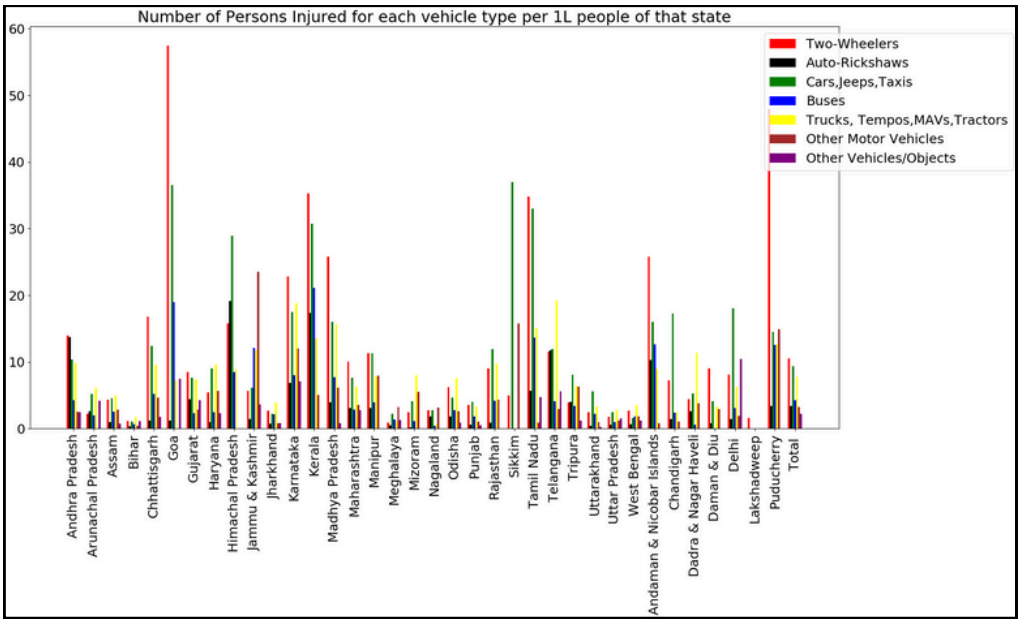

Total Fatal vs I per 1L people
0
25
50
75
100
125
0
5
10
15
20

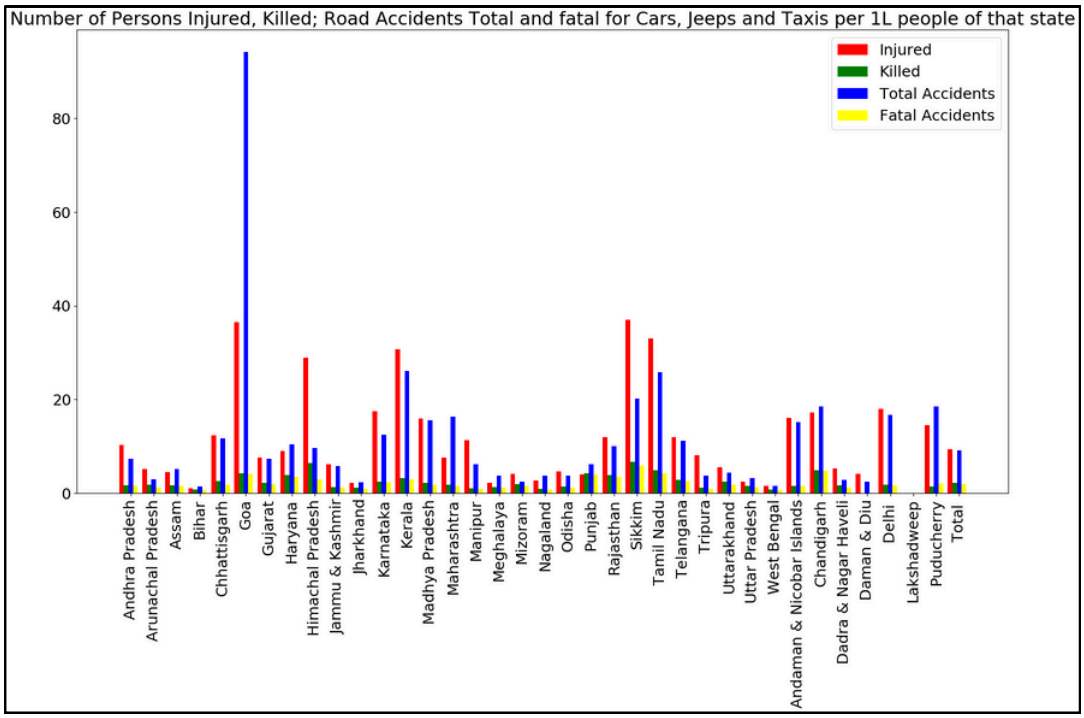

Number of Fatal Accidents for each vehicle type per 1L people of that state
Two-Wheelers
Auto-Rickshaws
Cars,Jeeps,Taxis
Buses
Trucks, Tempos,MAVs,Tractors
Other Motor Vehicles
Other Vehicles/Objects
0
2
4
6
8
Andhra Pradesh
Arunachal Pradesh
Assam
Bihar
Chhattisgarh
Goa
Gujarat
Haryana
Himachal Pradesh
Jammu & Kashmir
Jharkhand
Karnataka
Kerala
Madhya Pradesh
Maharashtra
Manipur
Meghalaya
Mizoram
Nagaland
Odisha
Punjab
Rajasthan
Sikkim
Tamil Nadu
Telangana
Tripura
Uttarakhand
Uttar Pradesh
West Bengal
Andaman & Nicobar Islands
Chandigarh
Dadra & Nagar Haveli
Daman & Diu
Delhi
Lakshadweep
Puducherry
Total

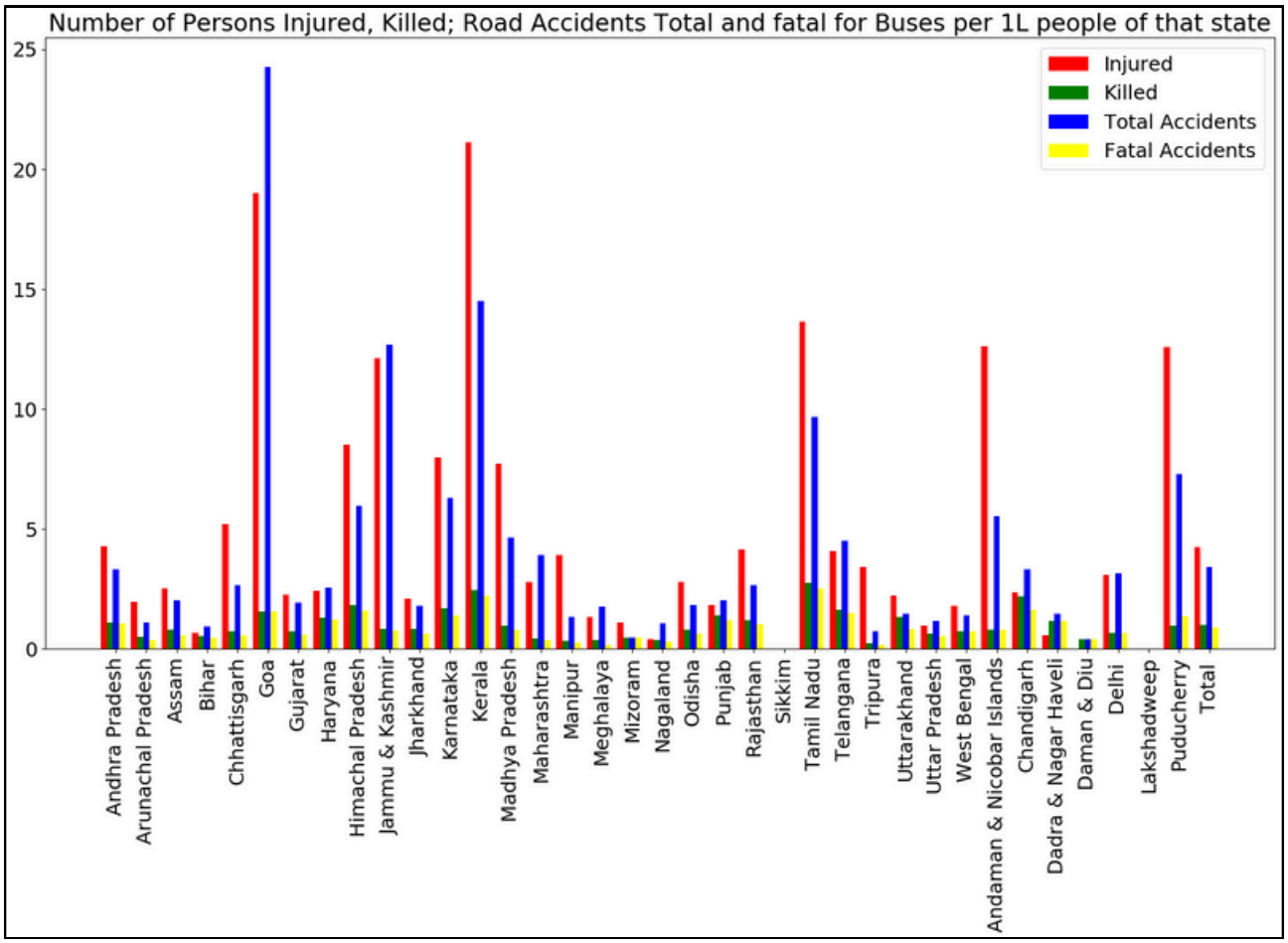

Number of Persons Killed for each vehicle type per 1L people of that state
Two-Wheelers
Auto-Rickshaws
Cars,Jeeps,Taxis
Buses
Trucks, Tempos,MAVs,Tractors
Other Motor Vehicles
Other Vehicles/Objects
0
2
4
6
8
Andhra Pradesh
Arunachal Pradesh
Assam
Bihar
Chhattisgarh
Goa
Gujarat
Haryana
Himachal Pradesh
Jammu & Kashmir
Jharkhand
Karnataka
Kerala
Madhya Pradesh
Maharashtra
Manipur
Meghalaya
Mizoram
Nagaland
Odisha
Punjab
Rajasthan
Sikkim
Tamil Nadu
Telangana
Tripura
Uttarakhand
Uttar Pradesh
West Bengal
Andaman & Nicobar Islands
Chandigarh
Dadra & Nagar Haveli
Daman & Diu
Delhi
Lakshadweep
Puducherry
Total

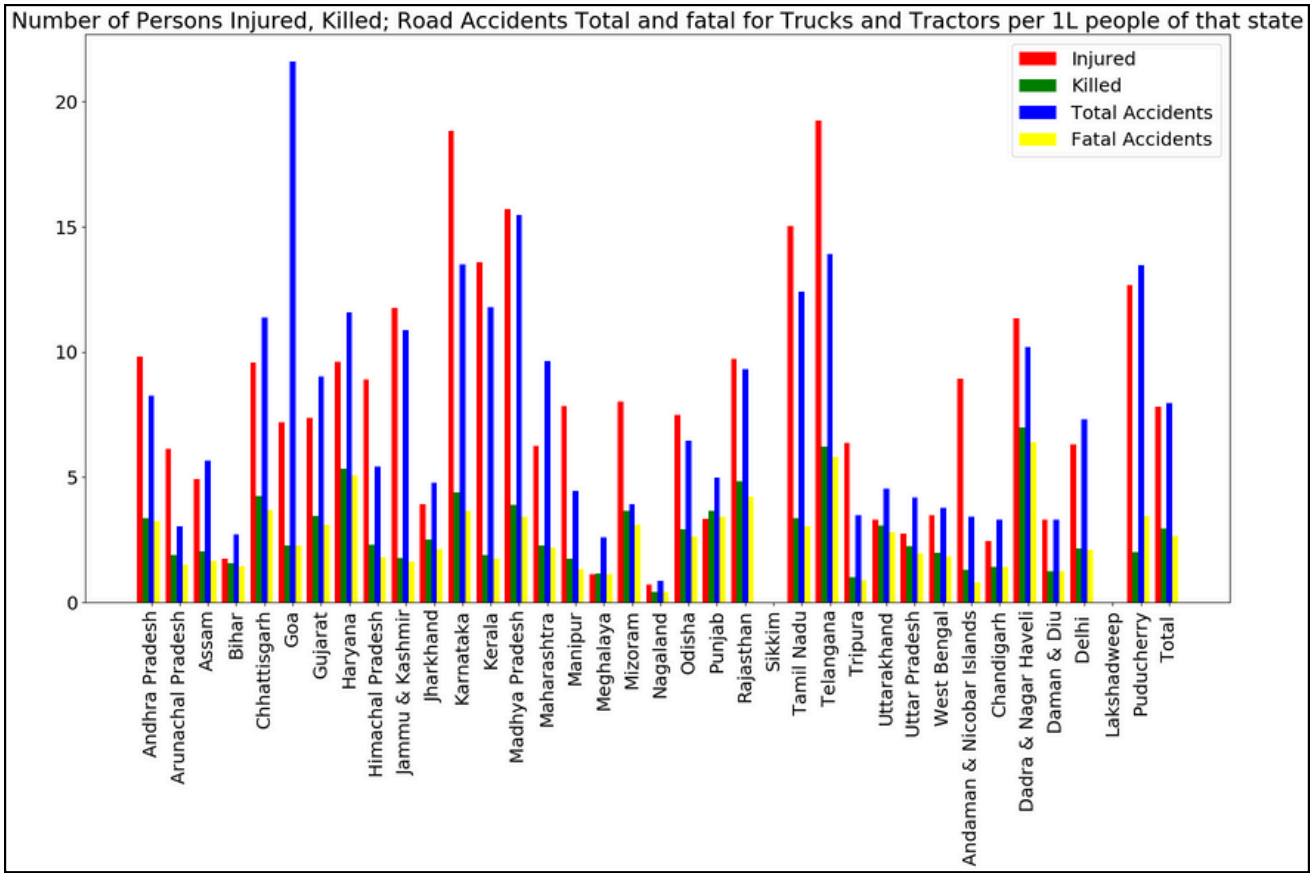

Number of Persons Killed for each vehicle type per 1L people of that state
Two-Wheelers
Auto-Rickshaws
Cars,Jeeps,Taxis
Buses
Trucks, Tempos,MAVs,Tractors
Other Motor Vehicles
Other Vehicles/Objects
0
2
4
6
8
Andhra Pradesh
Arunachal Pradesh
Assam
Bihar
Chhattisgarh
Goa
Gujarat
Haryana
Himachal Pradesh
Jammu & Kashmir
Jharkhand
Karnataka
Kerala
Madhya Pradesh
Maharashtra
Manipur
Meghalaya
Mizoram
Nagaland
Odisha
Punjab
Rajasthan
Sikkim
Tamil Nadu
Telangana
Tripura
Uttarakhand
Uttar Pradesh
West Bengal
Andaman & Nicobar Islands
Chandigarh
Dadra & Nagar Haveli
Daman & Diu
Delhi
Lakshadweep
Puducherry
Total

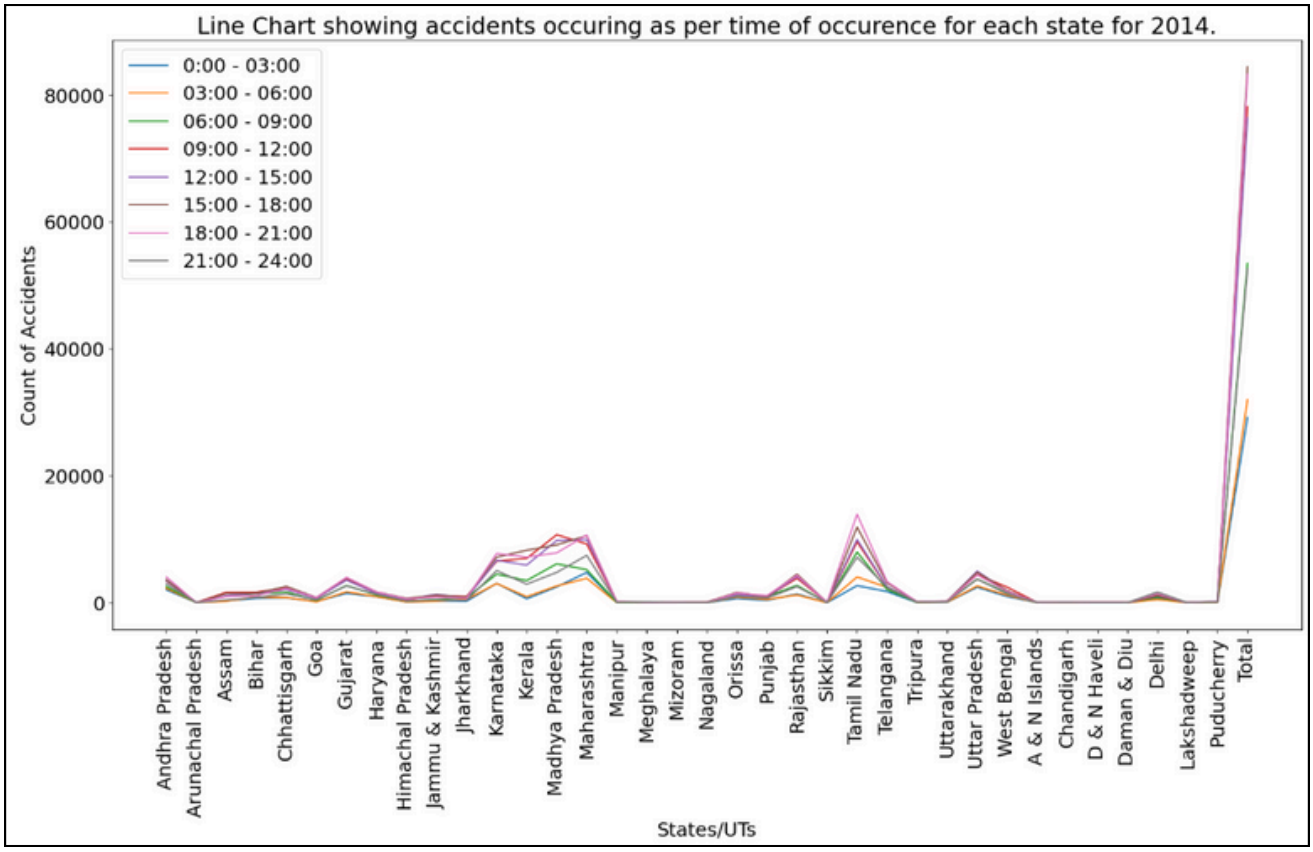

Number of Persons Injured, Killed; Road Accidents Total and fatal for 2 wheelers per 1L people of that state
Injured
Killed
Total Accidents
Fatal Accidents
0
20
40
60
80
100
120
Andhra Pradesh
Arunachal Pradesh
Assam
Bihar
Chhattisgarh
Goa
Gujarat
Haryana
Himachal Pradesh
Jammu & Kashmir
Jharkhand
Karnataka
Kerala
Madhya Pradesh
Maharashtra
Manipur
Meghalaya
Mizoram
Nagaland
Odisha
Punjab
Rajasthan
Sikkim
Tamil Nadu
Telangana
Tripura
Uttarakhand
Uttar Pradesh
West Bengal
Andaman & Nicobar Islands
Chandigarh
Dadra & Nagar Haveli
Daman & Diu
Delhi
Lakshadweep
Puducherry
Total

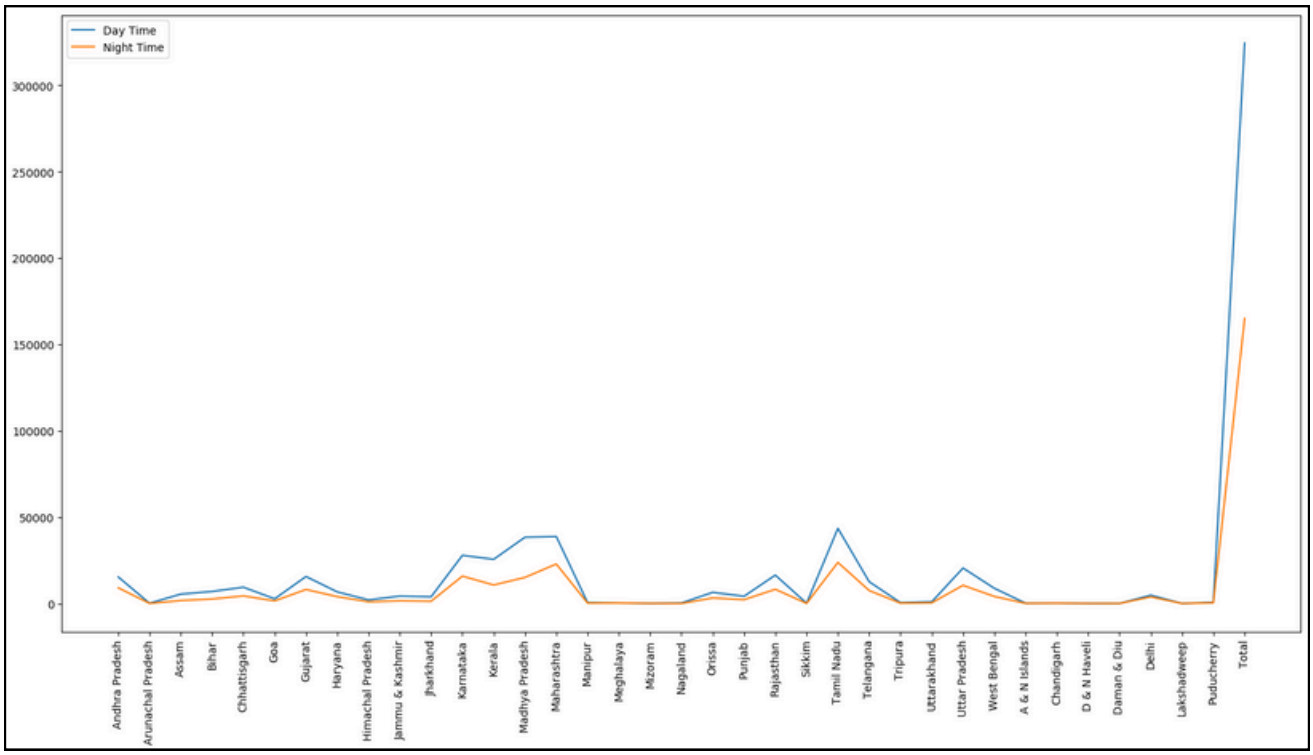

Number of Persons Injured for each vehicle type per 1L people of that state
Two-Wheelers
Auto-Rickshaws
Cars,Jeeps,Taxis
Buses
Trucks, Tempos,MAVs,Tractors
Other Motor Vehicles
Other Vehicles/Objects
0
10
20
30
40
50
60
Andhra Pradesh
Arunachal Pradesh
Assam
Bihar
Chhattisgarh
Goa
Gujarat
Haryana
Himachal Pradesh
Jammu & Kashmir
Jharkhand
Karnataka
Kerala
Madhya Pradesh
Maharashtra
Manipur
Meghalaya
Mizoram
Nagaland
Odisha
Punjab
Rajasthan
Sikkim
Tamil Nadu
Telangana
Tripura
Uttarakhand
Uttar Pradesh
West Bengal
Andaman & Nicobar Islands
Chandigarh
Dadra & Nagar Haveli
Daman & Diu
Delhi
Lakshadweep
Puducherry
Total


Number of Persons Injured, Killed; Road Accidents Total and fatal for Cars, Jeeps and Taxis per 1L people of that state
Injured
Killed
Total Accidents
Fatal Accidents
0
20
40
60
80
Andhra Pradesh
Arunachal Pradesh
Assam
Bihar
Chhattisgarh
Goa
Gujarat
Haryana
Himachal Pradesh
Jammu & Kashmir
Jharkhand
Karnataka
Kerala
Madhya Pradesh
Maharashtra
Manipur
Meghalaya
Mizoram
Nagaland
Odisha
Punjab
Rajasthan
Sikkim
Tamil Nadu
Telangana
Tripura
Uttarakhand
Uttar Pradesh
West Bengal
Andaman & Nicobar Islands
Chandigarh
Dadra & Nagar Haveli
Daman & Diu
Delhi
Lakshadweep
Puducherry
Total


Number of Persons Injured, Killed; Road Accidents Total and fatal for Buses per 1L people of that state
Injured
Killed
Total Accidents
Fatal Accidents
0
5
10
15
20
25
Andhra Pradesh
Arunachal Pradesh
Assam
Bihar
Chhattisgarh
Goa
Gujarat
Haryana
Himachal Pradesh
Jammu & Kashmir
Jharkhand
Karnataka
Kerala
Madhya Pradesh
Maharashtra
Manipur
Meghalaya
Mizoram
Nagaland
Odisha
Punjab
Rajasthan
Sikkim
Tamil Nadu
Telangana
Tripura
Uttarakhand
Uttar Pradesh
West Bengal
Andaman & Nicobar Islands
Chandigarh
Dadra & Nagar Haveli
Daman & Diu
Delhi
Lakshadweep
Puducherry
Total


Number of Persons Injured, Killed; Road Accidents Total and fatal for Trucks and Tractors per 1L people of that state
Injured
Killed
Total Accidents
Fatal Accidents
0
5
10
15
20
Andhra Pradesh
Arunachal Pradesh
Assam
Bihar
Chhattisgarh
Goa
Gujarat
Haryana
Himachal Pradesh
Jammu & Kashmir
Jharkhand
Karnataka
Kerala
Madhya Pradesh
Maharashtra
Manipur
Meghalaya
Mizoram
Nagaland
Odisha
Punjab
Rajasthan
Sikkim
Tamil Nadu
Telangana
Tripura
Uttarakhand
Uttar Pradesh
West Bengal
Andaman & Nicobar Islands
Chandigarh
Dadra & Nagar Haveli
Daman & Diu
Delhi
Lakshadweep
Puducherry
Total


Line Chart showing accidents occuring as per time of occurence for each state for 2014.
0:00 - 03:00
03:00 - 06:00
06:00 - 09:00
09:00 - 12:00
12:00 - 15:00
15:00 - 18:00
18:00 - 21:00
21:00 - 24:00
Count of Accidents
0
20000
40000
60000
80000
Andhra Pradesh
Arunachal Pradesh
Assam
Bihar
Chhattisgarh
Goa
Gujarat
Haryana
Himachal Pradesh
Jammu & Kashmir
Jharkhand
Karnataka
Kerala
Madhya Pradesh
Maharashtra
Manipur
Meghalaya
Mizoram
Nagaland
Orissa
Punjab
Rajasthan
Sikkim
Tamil Nadu
Telangana
Tripura
Uttarakhand
Uttar Pradesh
West Bengal
A & N Islands
Chandigarh
D & N Haveli
Daman & Diu
Delhi
Lakshadweep
Puducherry
Total
States/UTs


Day Time
Night Time
0
50000
100000
150000
200000
250000
300000
Andhra Pradesh
Arunachal Pradesh
Assam
Bihar
Chhattisgarh
Goa
Gujarat
Haryana
Himachal Pradesh
Jammu & Kashmir
Jharkhand
Karnataka
Kerala
Madhya Pradesh
Maharashtra
Manipur
Meghalaya
Mizoram
Nagaland
Orissa
Punjab
Rajasthan
Sikkim
Tamil Nadu
Telangana
Tripura
Uttarakhand
Uttar Pradesh
West Bengal
A & N Islands
Chandigarh
D & N Haveli
Daman & Diu
Delhi
Lakshadweep
Puducherry
Total