

Road Safety Analysis

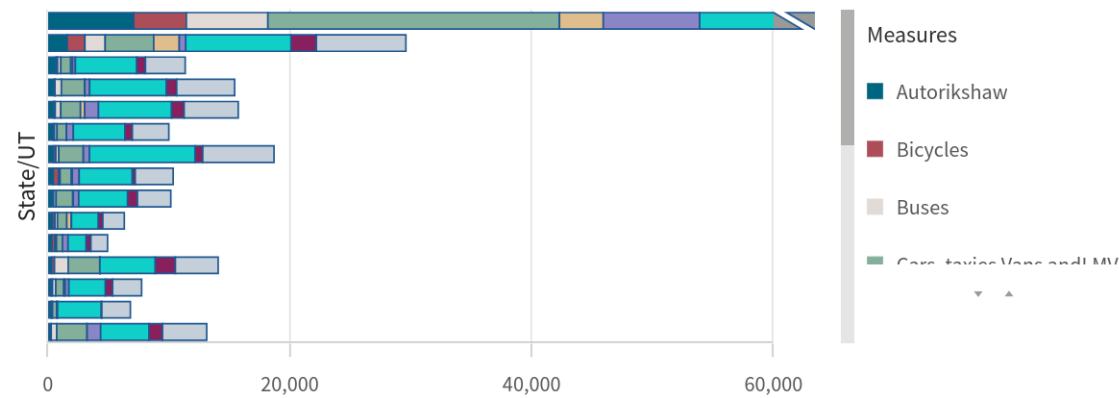
Introduction

Welcome to the Road Safety Analysis dashboard. This analysis explores key factors contributing to road accidents to enhance safety measures. We examine vehicle types, driver behavior (mobile phone usage, drunken driving), and environmental impacts (weather conditions). Additionally, we analyze pedestrian casualties by demographics and identify accident hotspots, such as traffic signals and police-controlled areas. Our goal is to identify trends and recommend strategies to reduce road accidents and improve public safety.

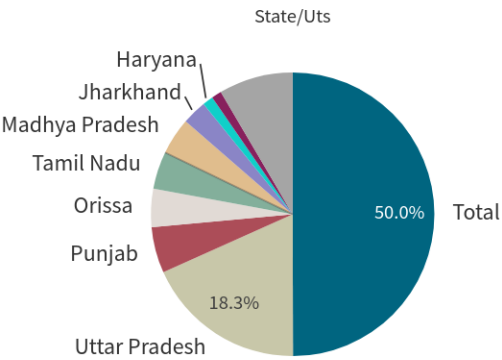
Accidents by Various Factors

1. Vehicle Contribution towards Total Accidents

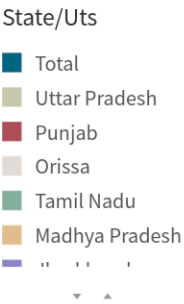
Accident : Vehicle Type



Drunken Driving

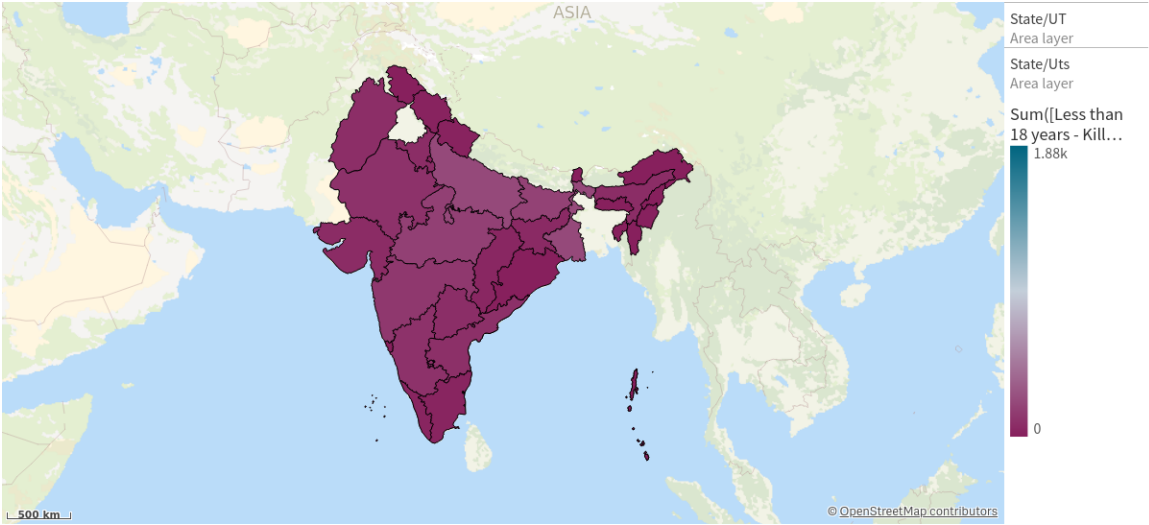
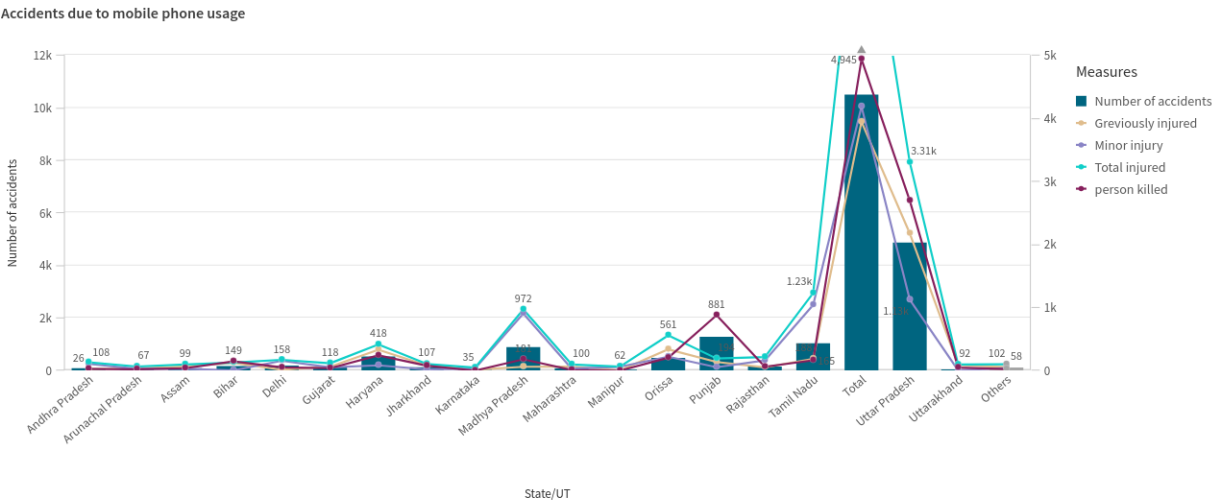


2. Accidents due to Drunken Driving



State-wise Analysis

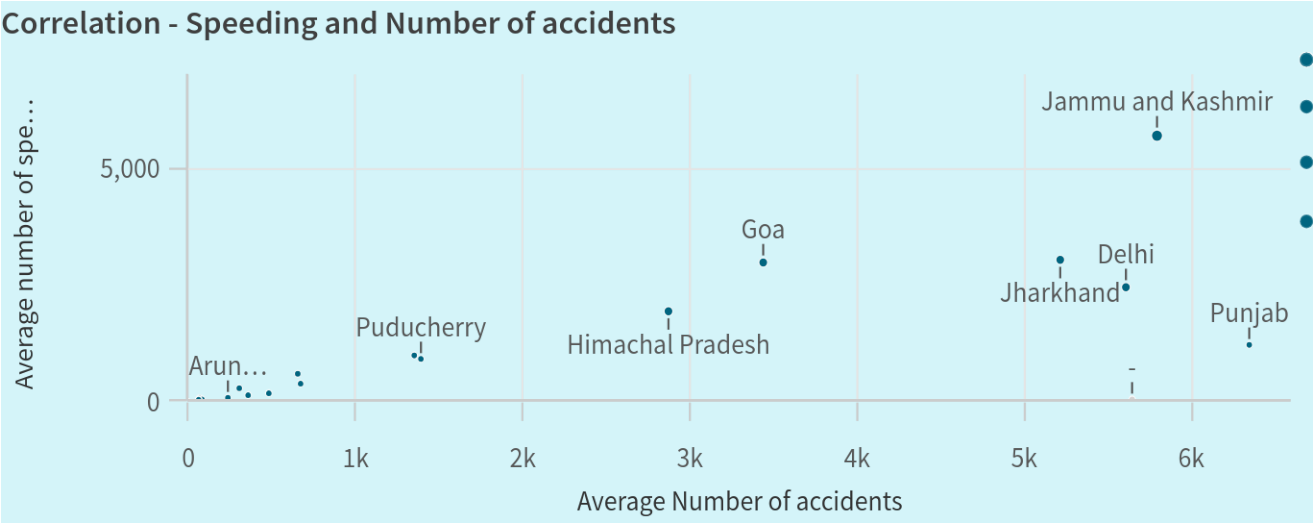
1. State-wise Mobile Phone Usage



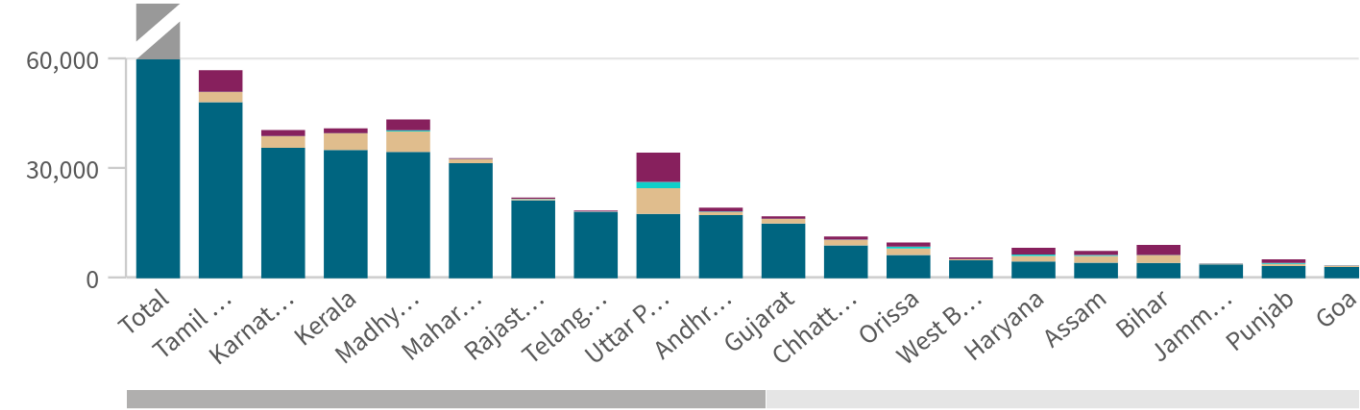
2. Minors Injured across the Country

Correlation and Weather Impact

1. Speeding and Number of Accidents:

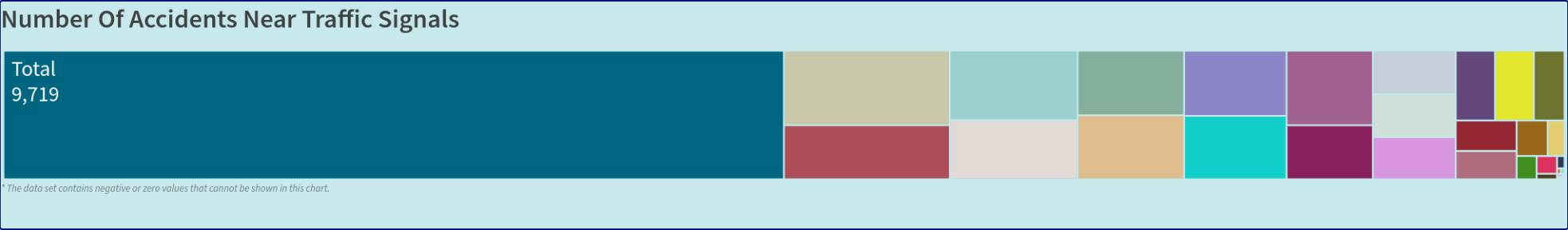


Accidents by Weather Type



2. Accidents by Weather Type

Accidents near Traffic Signals



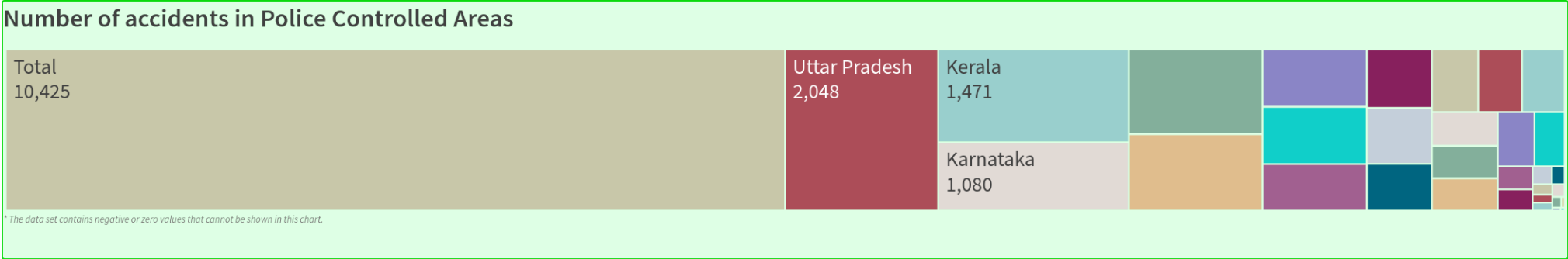
Total Persons Killed

302,226

Greviously Injured

8,454

Accidents in Police Controlled Areas



Person killed
7,002

Greviously Injured
10,648

Summary

1. **Vehicle Contribution** : Auto Rickshaws and Two Wheelers are major contributors to total accidents.
2. **Driver Behaviour** : High incidents of accidents due to mobile phone usage and drunken driving.
3. **Environmental Impact** : Weather conditions significantly influence accident rates.
4. **Pedestrian Casualties** : Notable differences in casualties by gender and age groups.
5. **Accident Hotspots** : Higher accident rates near traffic signals and in police-controlled areas.

Recommendation

1. **Stricter Enforcement** : Implement stricter laws for drunken driving.
2. **Targeted Campaigns** : Launch awareness campaigns against mobile phone usage while driving.
3. **Weather-Specific Measures** : Develop safety measures for driving in adverse weather conditions.
4. **Pedestrian Safety** : Enhance pedestrian safety through targeted interventions for vulnerable age groups.
5. **Hotspot Monitoring** : Increase monitoring and safety measures in identified accident hotspots.