

# ROAD ACCIDENT

## INSIGHTS :

### Primary KPI -

- Total Casualties taken place after the accident.
- Total Casualties & percentage of total with respect to accident severity and maximum casualties by type of vehicle.

### Secondary KPI –

- Total Casualties with respect to vehicle type .
- Monthly trend showing comparison of casualties for Current Year and Previous Year .
- Maximum casualties by Road Type .
- Distribution of Total casualties by Road Surface
- Relation between Casualties by Area / Location & by Day/ Night .

# Documentation

## Documentation:

### •Cleaned Data:

- The road analysis data was carefully reviewed and processed to ensure its accuracy and reliability.
- Inconsistent or missing values were addressed, and any erroneous entries were removed or corrected.
- Duplicate records were eliminated to avoid duplication of information.
- Outliers or anomalies were identified and dealt with appropriately, ensuring the integrity of the dataset.

### •Analyzed Data and Transformed Data using Pivot Tables:

- Pivot tables were employed to analyze and transform the road analysis data.
- Key metrics and variables were selected to summarize and aggregate the data in a meaningful way.
- Pivot tables provided a structured view of the data, enabling comparisons and identifying trends or patterns.
- Calculations such as averages, sums, counts, or percentages were performed within the pivot tables to extract valuable insights.

### •Visualized Data with Filters based on Years and Area Type:

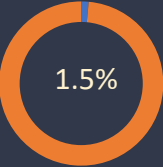
- The road analysis data was visualized using graphs, charts, or plots to facilitate understanding and communication of the findings.
- Filters based on years were applied to focus the analysis on specific time periods and track changes over time.
- Area types were used as filters to examine the data for different geographical regions or zones.
- Interactive filters were implemented to enable users to dynamically select specific years or area types and refine their analysis accordingly.

NOTE : please Find below attached screenshot of Visualisation created .

# ROAD ACCIDENT DASHBOARD

TOTAL CASUALTIES 195737

FATAL CASUALTIES  
2855



SERIOUS CASUALTIES  
27045



SLIGHT CASUALTIES  
165837



CASUALTIES BY CAR  
155804



## TOTAL CASUALTIES BY VEHICLE TYPE



155804



6573



399



15905

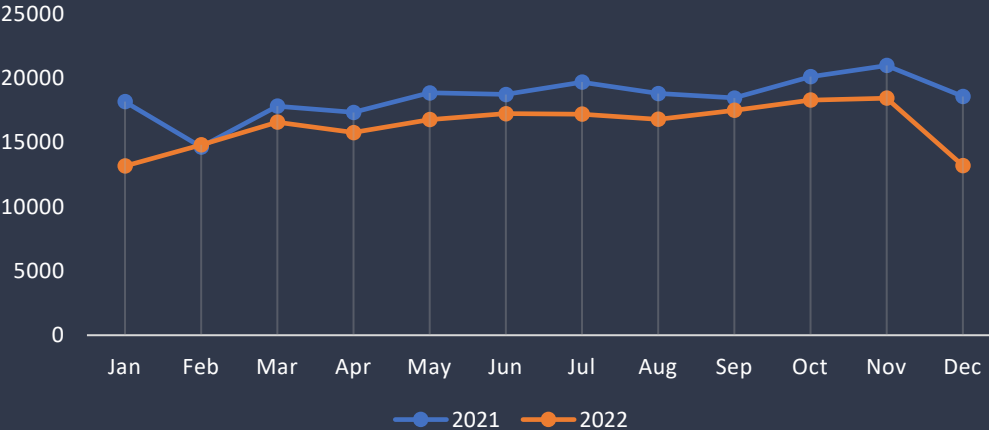


15579

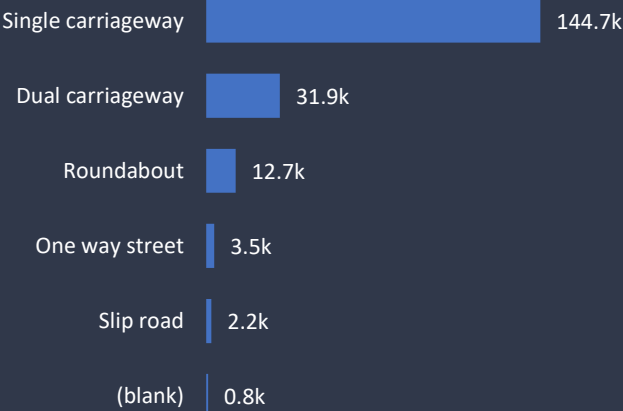


1477

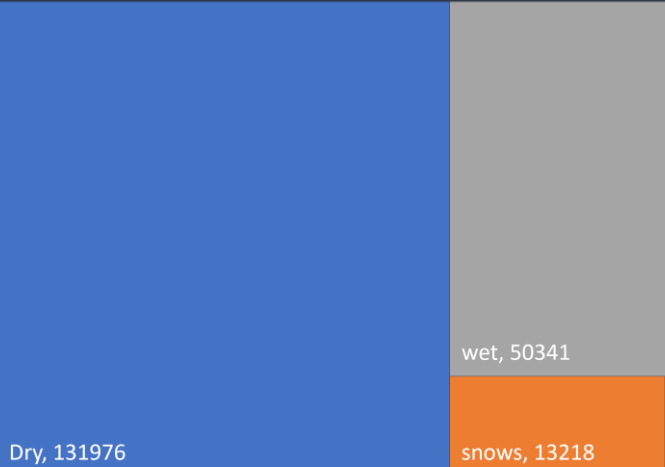
Monthly Trend of 2021 and 2022



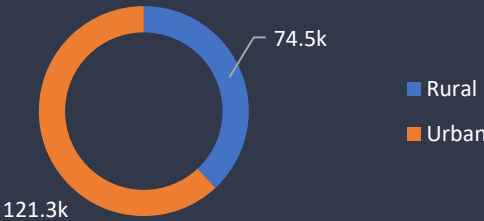
casualties based on Road Type



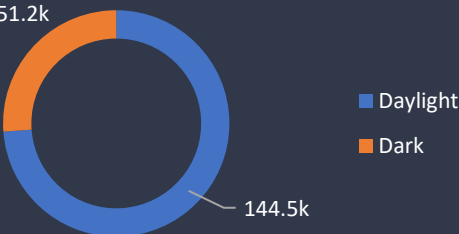
Casualties by Surface Type



casualties by Area



casualties by Light\_Conditions



## Filters

### Accident Date

2022

YEARS

2021

2022

2023

### Urban\_or\_Rural...

Rural

Urban

THANK YOU