

ROAD ACCIDENT ANALYSIS

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Road Surface

All

Weather Conditions

All

Total CY Casualties

195.7K

-11.9%

Total CY Accidents

144.4K

-11.7%

CY Fatal Casualties

2.9K

-33.3%

CY Serious Casualties

27.0K

-16.2%

CY Slight Casualties

165.8K

-10.6%

Casualties by Vehicle Type



Agricultural

399



Bike

15610



Bus

6573



Car

155804



Others

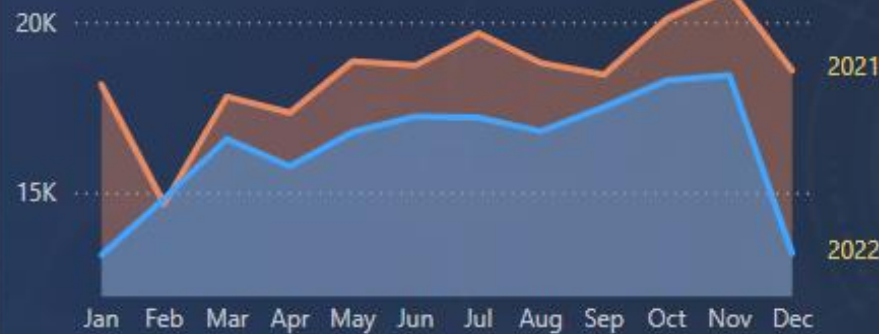
1446



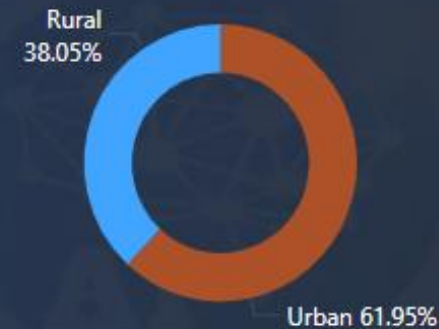
Van

15905

CY Casualties vs PY Casualties Monthly Trend



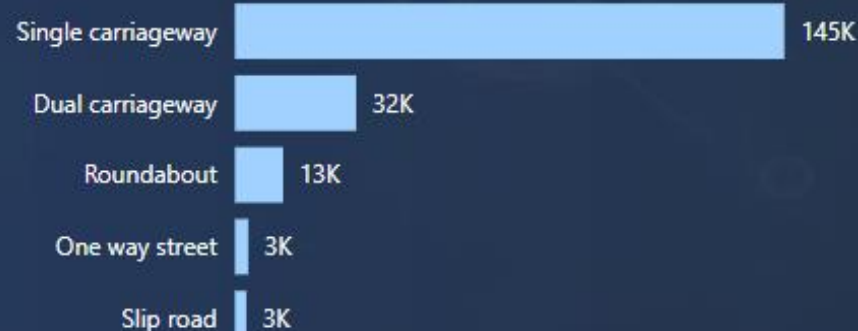
Casualties by Urban/Rural



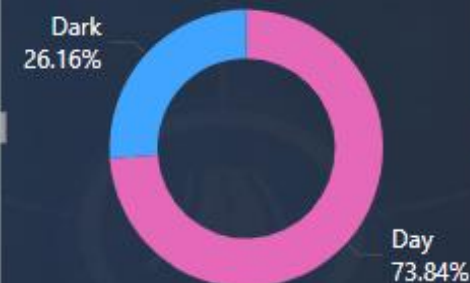
Casualties by Location



CY Casualties by Road_Type





Casualties by Light Cond



Casualties by Vehicle Type

- **DRILL DOWN:** EXPLORE POTENTIAL SUBCATEGORIES WITHIN VEHICLE TYPES. FOR EXAMPLE, ARE THERE MORE CAR OR TRUCK OCCUPANT CASUALTIES.
- **Safety Implications:** Identify the vehicle type with the highest casualty rate per 1000 vehicles (if data allows). This can inform targeted safety campaigns.

| Casualties by Vehicle Type | |
|---|---------------------|
|  | Agricultural 399 |
|  | Bike 15610 |
|  | Bus 6573 |
|  | Car 155804 |
|  | Others 1446 |
|  | Van 15905 |

CY Casualties by Road Type:

- **Severity Comparison:** Analyze if there's a correlation between road type and accident severity (data permitting)
- **Infrastructure Improvements:** Based on casualty distribution, identify road types that might benefit most from safety improvements like wider lanes or better signage.

CY Casualties by Road_Type



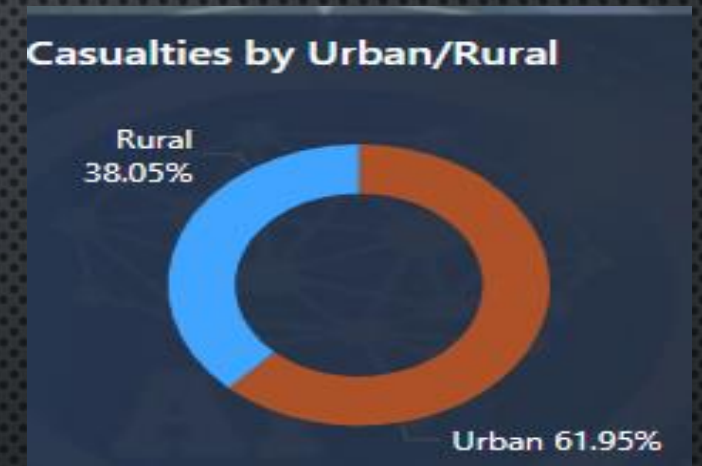
Casualties by Light Condition

- **Nighttime Visibility:** Investigate the role of street lighting or lack thereof in night-time accidents.
- **Public Awareness Campaigns:** Consider promoting the use of headlights during daytime conditions with lower visibility (fog, rain) based on findings.



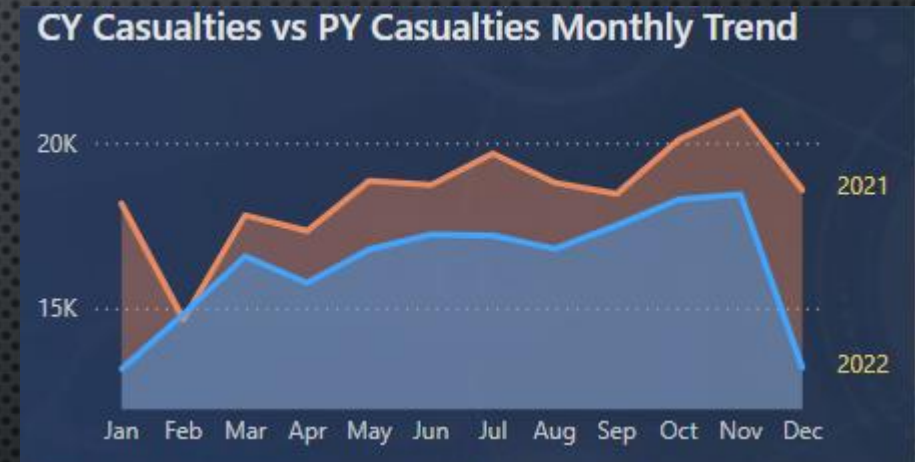
CASUALTIES BY URBAN/RURAL

- Urban Challenges:** Delve deeper into urban accident hotspots, identifying factors such as traffic congestion, pedestrian infrastructure, and public transportation usage.
- Rural Road Hazards:** Analyze rural accident patterns, considering factors like road conditions, wildlife accidents, and driver behavior.



INSIGHTS FROM THE MONTHLY TREND GRAPH

- **Increase in Casualties:** Both 2021 and 2022 show an overall increasing trend in casualties throughout the year.
- **2021 Higher than 2022:** The orange line (2021) consistently lies above the blue line (2022), indicating a higher number of casualties in 2021 compared to 2022.



THANK YOU