**Executive Summary: Road Accident Analysis**

**Overview**

The road accident dashboard provides a comprehensive analysis of casualties due to road accidents. The data highlights the severity, causes, and contributing factors to accidents, enabling better decision-making for improved road safety.

**Key Findings**

**1. Casualty Statistics**

* **Total Casualties:** 417,883
* **Fatal Casualties:** 7,135 (1.7%)
* **Serious Casualties:** 59,312 (14.2%)
* **Slight Casualties:** 351,436 (84.1%)
* **Casualties by Cars:** 333,485 (79.8% of total casualties)

**2. Casualties by Vehicle Type**

* **Cars:** 333,485 (Major contributor)
* **Buses:** 12,798
* **Trucks:** 33,472
* **Motorcycles:** 33,672
* **Bicycles:** 1,032
* **Other vehicles:** 3,424

**3. Casualties by Road Type**

* **Single Carriageway:** 309.7K casualties (Highest)
* **Dual Carriageway:** 67.4K casualties
* **Roundabout:** 26.8K casualties
* **One-way Street:** 7.4K casualties
* **Slip road:** 4.7K casualties

**4. Casualties by Road Surface Condition**

* **Dry Road:** 279,445 casualties
* **Wet Road:** 115,261 casualties
* **Snow/Ice:** Minimal impact

**5. Monthly Trends (2021 vs 2022)**

* Monthly casualty trends remain stable, with a slight increase in 2022.
* Accidents peak around mid-year and decline in December.
* Need for targeted interventions during peak periods.

**6. Casualties by Location & Light Conditions**

* **Urban areas:** 255.9K casualties (Higher risk)
* **Rural areas:** 162.0K casualties
* **Daylight Accidents:** 112.9K
* **Darkness-related Accidents:** 305.0K (Indicates need for improved nighttime visibility)

**Recommendations**

1. **Enhanced Safety Measures on Single Carriageways:** These roads have the highest casualties. More speed limits, better signage, and road safety enforcement needs to be implemented.
2. **Improved Visibility at Night:** Since most accidents occur in the dark, improving street lighting and reflective road signs will enhance safety.
3. **Public Awareness Campaigns:** Educate road users about accident-prone times and conditions.
4. **Stricter Traffic Law Enforcement:** More policing on urban roads and enforcement of vehicle safety regulations, particularly for motorcycles and commercial vehicles.
5. **Better Road Infrastructure:** Improving drainage to reduce wet surface-related accidents, widening roads, and enhancing roundabout designs.

**Conclusion**

The data suggests that road accidents are primarily concentrated in urban areas, with single carriageways and nighttime conditions being the most significant contributors. A strategic focus on policy reforms, road safety measures, and enforcement can drastically reduce casualties.