Problem Statement: Road Accident Dashboard

You have been provided with a dataset from the Ministry of Roads and Safety Concerns. The dataset contains details about casualties, road types, road conditions and other relevant data. This project aims to understand the distribution and causes of road accidents to develop actionable insights for reducing casualties and improving road safety.

Questions That Can Be Answered Using This Dashboard:

General Overview:

1. What is the total number of casualties recorded?
2. How are casualties distributed across fatal, serious, and slight categories?

Vehicle-Related Insights:

3. Which type of vehicle is most involved in accidents?
4. How do car casualties compare to those involving bikes and vans?

Yearly Trends:

5. How do the casualty numbers compare between 2021 and 2022?
6. Are there any observable trends in casualties over the months?

Road and Surface Conditions:

7. Which road type has the highest number of casualties (e.g., single carriageway, dual carriageway)?
8. How do road surface conditions (dry, wet, snow/ice) impact the number of casualties?

Geographical and Environmental Factors:

9. How are casualties distributed between urban and rural areas?
10. What is the impact of lighting conditions (daylight vs. darkness) on casualties?

Filters for Deeper Analysis:

11. How do casualties vary by specific years (2021 vs. 2022) or periods?
12. How does the urban or rural location affect the types of casualties recorded?