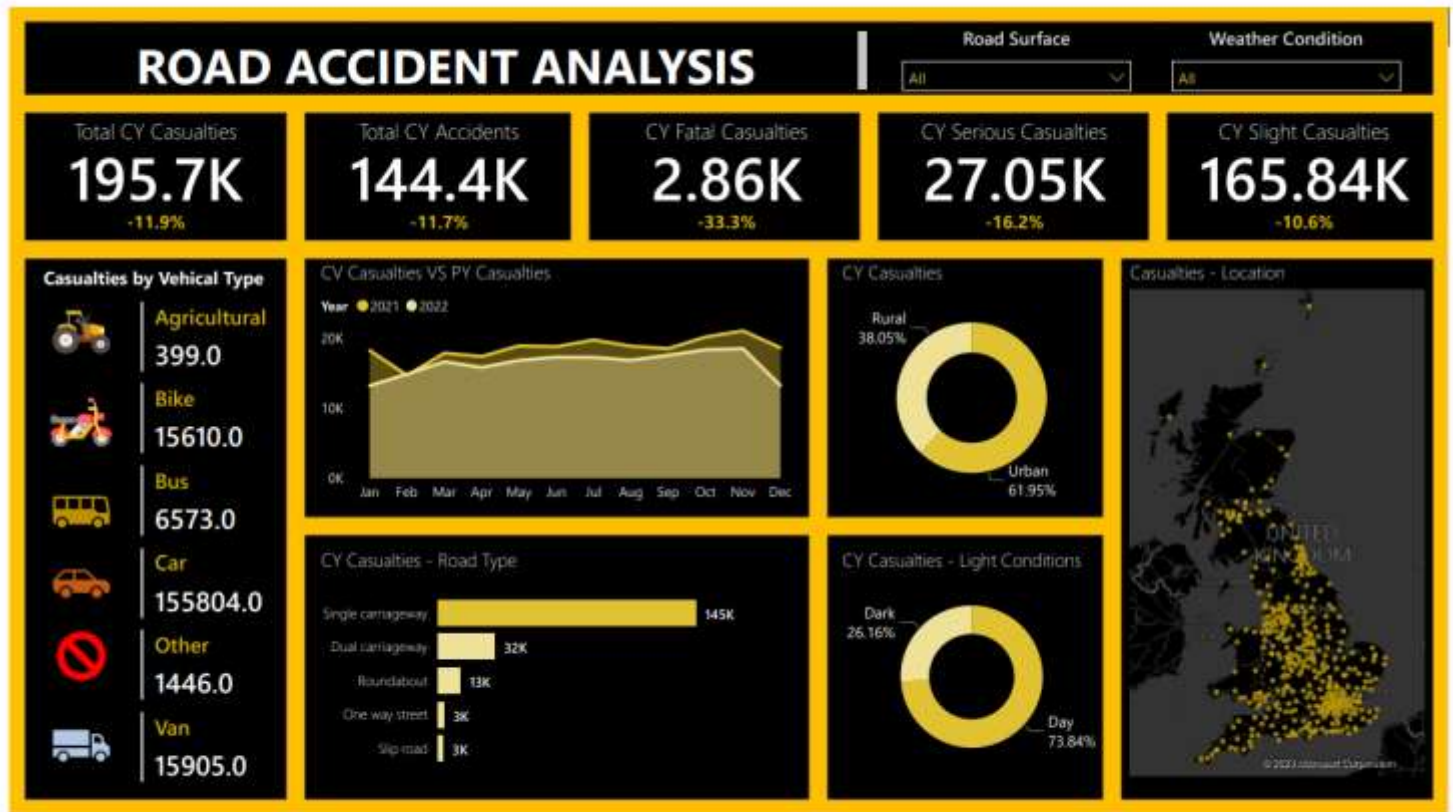


# Road Accident Analysis Dashboard Summary



## Introduction

As a data analyst, I developed this comprehensive dashboard to provide a visual representation of road accident data. By analyzing key performance indicators (KPIs) related to casualties, accidents, and their underlying factors, this dashboard aims to support data-driven decision-making and enhance road safety.

## Key Features

- **Overall Casualties and Accidents:** Displays the total number of casualties and accidents for the current year and the previous year, along with year-over-year (YoY) growth rates.
- **Casualties by Severity:** Breaks down casualties based on their severity, including fatal, serious, and slight injuries.
- **Casualties by Vehicle Type:** Categorizes casualties according to the type of vehicle involved in the accident.

- **Monthly Trend Analysis:** Compares the number of casualties and accidents for each month of the current year to identify seasonal patterns and trends.
- **Casualties by Road Type:** Analyzes casualties based on the type of road where the accident occurred.
- **Location-Based Analysis:** Examines casualties and accidents by location, providing insights into areas with higher accident rates.
- **Day vs. Night Comparison:** Compares the number of casualties and accidents that occur during the day and at night.

## **Benefits**

- **Data-Driven Decision Making:** The dashboard empowers stakeholders to make informed decisions based on data-driven insights.
- **Improved Road Safety:** By identifying areas with high accident rates and understanding the contributing factors, organizations can implement targeted measures to enhance road safety.
- **Resource Allocation:** The dashboard helps allocate resources effectively by highlighting areas that require greater attention and intervention.
- **Public Awareness:** The dashboard can be used to raise public awareness about road safety issues and promote responsible driving behavior.

## **Conclusion**

This Road Accident Analysis Dashboard is a valuable tool for understanding the factors contributing to road accidents and developing effective strategies to prevent them. By providing comprehensive insights into casualties, accidents, and their underlying causes, the dashboard supports informed decision-making and contributes to the overall improvement of road safety.