**Overall Purpose**

The dashboard is designed to monitor and analyze **road accident casualties**, segmented by **severity, vehicle type, road type, surface condition, light condition, and location**, across different years (2021–2022).

**Key Metrics Displayed**

**1. Casualty Summary (Top Section)**

* **Total Casualties**: Shows total accident casualties (e.g., 162,019 or 255,864 depending on the year/filter).
* **Casualty Breakdown**:
  + **Fatal Casualties**
  + **Serious Casualties**
  + **Slight Casualties**
* **Percentage Rings**: Each severity type includes a percentage indicator of its share in total casualties.
* **Car Casualties**: Highlights how many casualties involved cars (usually 78–80%).

**2. Casualties by Vehicle Type (Left Panel)**

* Breaks down casualties by vehicle:
  + **Car**, **Bus**, **Van**, **Motorcycle**, **Agricultural vehicle**, and **Others**.
* Each vehicle type shows the number of casualties and is color-coded for clarity.

**3. Monthly Trend Chart (Middle)**

* **Line Chart** comparing **2021 vs. 2022 monthly casualties**, allowing analysis of trends over time.

**4. Casualties by Road Type (Right Center)**

* Shows total casualties on:
  + **Single/Dual carriageways**
  + **Roundabouts**
  + **Slip roads**, etc.
* Represented via horizontal bar charts for visual comparison.

**5. Casualties by Road Surface (Right)**

* Breakdown by surface condition:
  + **Dry**
  + **Wet**
  + **Snow/Ice**
* Displayed as a stacked or colored bar/treemap format.

**6. Casualties by Location (Bottom Left)**

* Pie/donut chart for:
  + **Urban vs Rural** areas.

**7. Casualties by Light Condition**

* Breakdown of accidents in:
  + **Daylight**
  + **Darkness**

**Filter Panel (Bottom Right)**

* **Accident Date Filter**: Filter data by year (2021–2023).
* **Urban or Rural Toggle**: Further segmentation based on location.

**Insights**

* You can identify:
  + Which vehicle type has the most casualties (cars).
  + Where (urban/rural) and when (monthly) most accidents occur.
  + Conditions under which accidents are more common (e.g., dry roads, daylight).
  + Year-over-year changes in accident trends.

**Dataset Title:** UK Road Safety Accidents Dataset  
**Source:**[https://docs.google.com/spreadsheets/d/1R\_uaoZL18nRbqC\_MULVne90h3SdRbAyn/edit?gid=1319047066#gid=131904706](https://docs.google.com/spreadsheets/d/1R_uaoZL18nRbqC_MULVne90h3SdRbAyn/edit?gid=1319047066%23gid=131904706)  
**Description:**  
This dataset contains detailed records of road traffic accidents reported to police forces in the United Kingdom. It includes accident location, date/time, number of casualties, vehicle types involved, road surface conditions, lighting, weather conditions, and more. It helps analyze patterns in road safety and identify high-risk factors.

**Time Range:** [e.g., 2021–2022]

**SCREENSHOT**(Dashborad)



