

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

- **Line Chart** comparing **2021 vs. 2022 monthly casualties**, allowing analysis of trends over time.
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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.
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5. Casualties by Road Surface (Right)

- Breakdown by surface condition:
 - **Dry**
 - **Wet**

- **Snow/Ice**
 - Displayed as a stacked or colored bar/treemap format.
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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**
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Filter Panel (Bottom Right)

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

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)

