

Road accident analysis - Excel



This road accident analysis dashboard provides a comprehensive overview of traffic accident data. Here's a breakdown of its key components:

1. Total Casualties: 417,883
2. Casualty Severity:
 - Fatal Casualties: 7,135 (1.7%)
 - Serious Casualties: 59,312 (14.2%)
 - Slight Casualties: 351,436 (84.1%)
3. Casualties By Car: 333,485 (79.8% of total)

4. Total Casualties By Vehicle Types:

- Cars: 333,485
- Motorcycles: 33,672
- Buses: 12,798
- Trucks: 33,472
- Tractors: 1,032
- Others: 3,424

5. Monthly Casualty Trend (2021 vs 2022): Line graph comparing monthly casualties over two years.

6. Casualties By Road Type:

- Single carriageway: 309.7K
- Dual carriageway: 67.4K
- Roundabout: 26.8K
- One way street: 7.4K
- Slip road: 4.7K
- (blank): 1.9K

7. Casualties By Road Surface:

- Dry: 279,445
- Snow/Ice: 138,438 (implied from the chart)

8. Casualties By Area:

- Rural: 162.0K
- Urban: 255.9K

9. Casualties By Light Condition:

- Daylight: 305.0K
- Dark: 112.9K

10. Filters: The dashboard includes filters for Accident Date, Severity, and Urban/Rural classification.

This dashboard effectively visualizes various aspects of road accident data, allowing for quick insights into casualty trends, contributing factors, and patterns across different variables like vehicle types, road conditions, and geographical areas. The use of charts, graphs, and color-coding makes the information easily digestible and comparable.