

The dataset includes the following columns:

1. Accident_Index
2. Accident Date, Month, Year
3. Day_of_Week
4. Junction_Control, Junction_Detail
5. Accident_Severity
6. Latitude, Longitude
7. Light_Conditions
8. Local_Authority_(District)
9. Carriageway_Hazards
10. Number_of_Casualties, Number_of_Vehicles
11. Police_Force
12. Road_Surface_Conditions
13. Road_Type
14. Speed_limit
15. Time
16. Urban_or_Rural_Area
17. Weather_Conditions
18. Vehicle_Type

Monthly Trend Analysis (2021 and 2022)

Row Labels	Sum of Number_of_Casualties
Jan	18173
Feb	14648
Mar	17815
Apr	17335
May	18849
Jun	18727
Jul	19682
Aug	18797
Sep	18456
Oct	20109
Nov	20975
Dec	18576

Row Labels	Sum of Number_of_Casualties
Jan	13163
Feb	14804
Mar	16575
Apr	15767
May	16775
Jun	17230
Jul	17201
Aug	16796
Sep	17500
Oct	18287
Nov	18439
Dec	13200

Severity by Light Conditions:

Fatal: 7,135 casualties
Serious: 59,312 casualties
Slight: 351,436 casualties

Casualties by Road Type:

Single carriageway: 309,700 casualties
Dual carriageway: 67,400 casualties
Roundabout: 26,800 casualties
One way street: 7,400 casualties
Slip road: 4,700 casualties

Road Type Analysis:

Dry Conditions: 279,445 casualties
Wet Conditions: 115,261 casualties
Frost Conditions: 22,781 casualties

Vehicle Type Analysis:

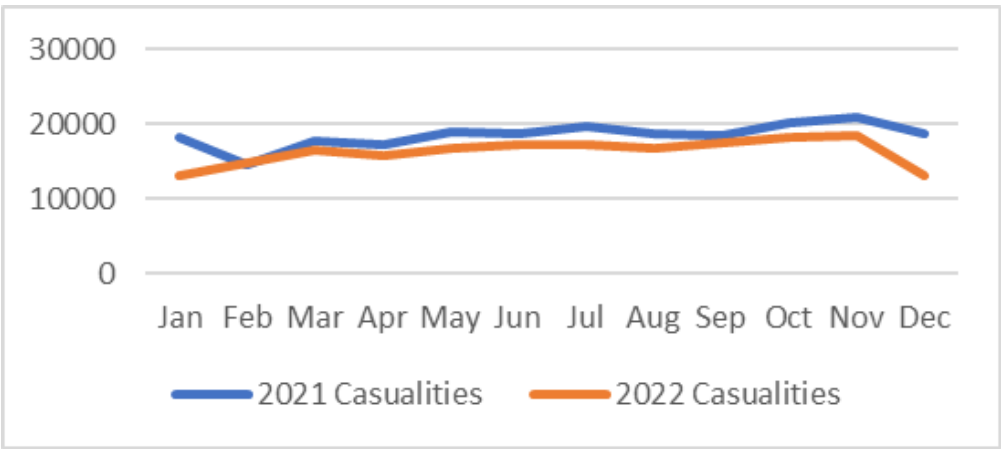
Cars: 333,485 casualties
Bus: 12,798 casualties
Van: 33,472 casualties
Motorcycle: 33,672 casualties
Other: 3,424 casualties

Key Performance Indicators (KPIs)

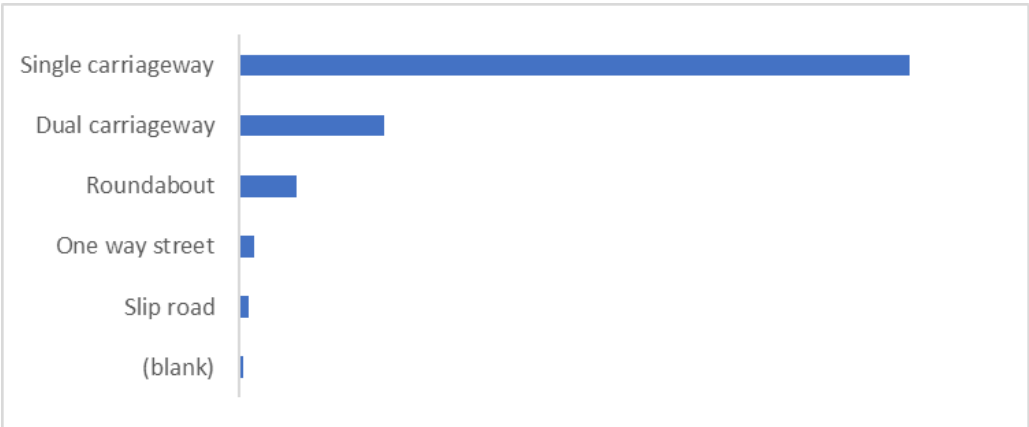
Monthly Average Casualties: 34,823
Average Casualties per Day: 1,194
Average Casualties per Vehicle: 1.77
Fatalities Percentage: 1.71%
Severity Rate (Serious + Fatal): 15.8%

Visualizations

1. Monthly Casualties Trend



2. Road Type Impact



3. Light Conditions and Severity

