

Road Accident Data

A Client wants to create a dashboard of Road Accident for 2021 & 2022 so they can have insights on the below requirements.

1. What are the Total casualties taken after Accident?
2. What are the total casualties & percentage with respect to accident severity and maximum by type of vehicle?
3. Monthly Trend Showing the comparison of Current year Vs previous year.
4. What is maximum Casualties By Road Type?
5. Distribution of total Casualties by Road Surface.
6. What is Relation of Casualties by Area & Location and By Day & Night?

After Analysis, it was Observed-

1. The Total casualties taken after Accident-**417883**
2. The Total Casualties with respect to accident Severity-

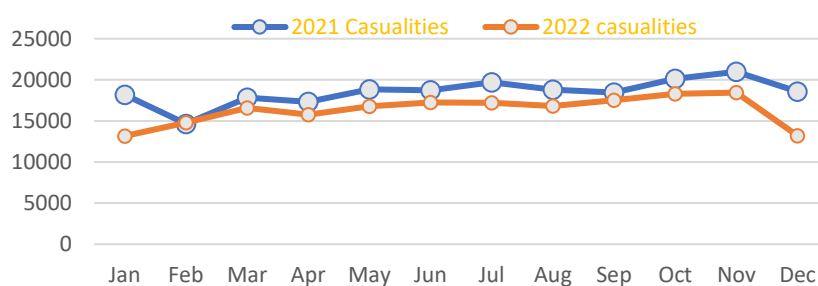
Accident Severity	Number_of_Casualties	Percentage
Slight	185599	83.5%
Serious	32267	14.5%
Fatal	4280	1.9%
Grand Total	222146	100%

The Total Casualties with respect to Vehicle Type

Vehicle Type	Sum of Number_of_Casualties	Percentage
Cars	177681	80.0%
Motorcycles	18093	8.1%
Vans	17567	7.9%
Bus	6225	2.8%
Others	1947	0.9%
Agricultural vehicle	633	0.3%
Grand Total	222146	100%

3. Monthly Trend Showing the Comparison Of casualties of Current Year Vs Previous year.

Month	Number_of_Casualties (2021)	Number_of_Casualties (2022)
Jan	18173	13163
Feb	14648	14804
Mar	17815	16575
Apr	17335	15767
May	18852	16775
Jun	18728	17230
Jul	19682	17201
Aug	18797	16796
Sep	18456	17500
Oct	20109	18287
Nov	20975	18439
Dec	18576	13200
Grand Total	222146	195737



4. Maximum Casualties by Road Type

The Maximum Casualties by Road type occur in Single Carriageway - **309.70K**

5. Distribution of total Casualties by Road Surface

Road Surface	Number_of_Casualties
Dry	279445
(blank)	396
Wet Surfaces	115261
Snow/Ice	22781
Grand Total	417883

6. Relation of Causalities By Area & Location

Area	Number_of_Casualties
Rural	162.0K
Urban	255.9K
Grand Total	417883

Causalities By Day Night

Light Condition	Number_of_Casualties
Daylight	304.96K
Dark	112.92K
Grand Total	417883

From here, it was understood that maximum no. of Causalities (Accidents) occurs during **Daylight in Rural Area.**