# Task Overview

- **Reporter-**Road Safety Department
- **Necessary Systems-**PowerBI,Tableau

**1.For the PowerBi Dashboard-**

**Years- 2021,2022**

**Dataset Used-Road Accident Data for PowerBI_1.xlsx**

| Measure | Sampled by | Filtered by | Timeframe | Type of Visual |
|---------|-----------|-------------|-----------|----------------|
| Total Casualties + Total Accident value | | Weather Conditions+ Road Surface Conditions | Current Year+YoY | Build Primary KPIs |
| Total Casualties | Accident Severity | Weather Conditions+ Road Surface Conditions | Current Year+YoY | Build Primary KPIs |
| Total Casualties | Vehicle Type | Weather Conditions+ Road Surface Conditions | Current Year | Build Secondary KPIs |
| Month-wise trend of Casualties | | Weather Conditions+ Road Surface Conditions | Current Year vs Previous Year (Monthly basis) | Trend Chart |
| Casualty Distribution | Road Type | Weather Conditions+ Road Surface Conditions | Current year | Horizontal Bar chart |
| Casualty distribution | Urban/Rural Areas | Weather Conditions+ Road Surface Conditions | Current Year | Pie Chart |
| Casualty distribution | Light/Darkness | Weather Conditions+ Road Surface Conditions | Current Year | Pie Chart |
| Total | Location on | Weather | Current Year | Map |

| Casualties+ Total Accidents | Map | Conditions+ Road Surface Conditions | | |
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**2.For the Tableau Dashboard-**

**Years-2019,2020,2021,2022**

**Dataset used- Accident_Data_for_Tableau.xlsx**

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| Measure | Sampled by | Filtered by | Filtered by Timeframe | Type of Visual |
|---|---|---|---|---|
| Total Casualties + Total Accident value | | | (Current Year,Previous Year)+YoY | Build Primary KPIs |
| Total Casualties | Accident Severity | | (Current Year,Previous Year)+YoY | Build Primary KPIs |
| Total Casualties | Vehicle Type | Accident Severity | (Current Year,Previous Year) | Build Secondary KPIs |
| Casualty Distribution | Road Type | Accident Severity | (Current year,Previous Year) | Horizontal Bar chart |
| Casualty distribution | Road Surface Conditions | Accident Severity | (Current Year,Previous Year) | Pie Chart |
| Casualty distribution | Weather Conditions | Accident Severity | (Current Year,Previous Year) | Pie Chart |
| Total Casualties+ Total Accidents | Location on Map | Accident Severity | (Current Year,Previous Year) | Map |