

Case Study: Accident Analysis for the Ministry of Transport

The Ministry of Transport seeks a comprehensive analysis of accident data to gain insights and improve road safety measures. They are particularly interested in understanding casualty patterns based on various factors. The key areas of investigation include:

1. **Casualties by Accident Severity and Vehicle Type:**

What is the total number of casualties following accidents, and how do they vary by accident severity? Additionally, which vehicle type is associated with the maximum number of casualties?

2. **Casualties by Vehicle Type:**

What is the distribution of total casualties across different vehicle types, and how do they compare?

3. **Monthly Accident Trend:**

How does the number of accidents in the current year compare to the previous year on a monthly basis?

4. **Maximum Casualties by Road Type:**

Which road types have the highest number of casualties?

5. **Casualties by Road Surface Condition:**

How are casualties distributed across different road surface conditions?

6. **Casualties by Geographic Area:**

What geographical area have the highest casualties?

Dataset:

https://docs.google.com/spreadsheets/d/1ZwrTf2XerS_gFD9OhRiTgGCLyPokB1Ax/edit?usp=sharing&ouid=102458308337345761154&rtpof=true&sd=true