**Power BI Project on Road accident**

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**Introduction**

* This project is aimed at developing a Power BI Dashboard for generating insights about road accident data in the United Kingdom.
* The dataset can be accessed from this link:

**Dashboard Requirements**

* Primary KPI's - Total Casualties and Total Accident values for Current Year and YoY Growth
* Primary KPI's - Total Casualties by Accident Severity for Current Year and YoY Growth
* Secondary KPI's - Total Casualties with respect to Vehicle Type for Current Year
* Monthly Trend showing comparison of Casualties for Current Year and Previous Year
* Casualties by Road Type for Current Year
* Current Year Casualties by Area/Location & Day/Night
* Total Casualties and Total Accident by Location

**DAX Formulas Used in Measures**

**1. Total Casualties For Current Year and Year on Year Growth**

(a) Current Year To Date Casualties -- CY Casualties Measure

(b) Previous Year Casualties -- PY Casualties Measure

(c) Year on Year Growth of Casualties - YoY Casualties Measure

* YoY Casualties = ([CY Casualties] - [PY Casualties])/[PY Casualties]

**2. Total Accidents for Current Year and Year on Year Growth**

(a) Current Year Accidents Count -- CY Accidents Count Measure

(b) Previous Year Accidents Count -- PY Accidents Count Measure

(c) Year on Year Growth of Accidents - YoY Accidents Measure

* YoY Accidents = ([CY Accidents Count]-[PY Accidents Count])/[PY Accidents Count]