Road Accident Analysis Project using Excel:

In this data analytics project, we conducted an in-depth analysis of road accidents. Our goal was to create an interactive dashboard that provides valuable insights using various visualization tools such as donut charts, graphs, text boxes, pivot tables, and line charts.

Project Steps:

1.Understainding data:

before start working on the dashboard it is necessary to work on understand data. Row header is the eazy way to understand it. Also necceassry to identifying the data type of data.which is the primary key in the data.

2. **Data Cleaning:**

   o   Removed unwanted columns.

   o   Eliminated null values.

   o   Corrected spelling mistakes (dummy data).

3. **Data Processing:**

   o   Processed the necessary data for visualization.

   o   Created additional columns required for analysis.

4. **Data Visualization:**

   o   Converted the cleaned data into pivot tables.

   o   Developed various visualizations (donut charts, graphs, line charts, slier, filters ,images , textboxes, links ,icons, shapes,etc.).

Dashboard-

we can make combination of the differend visuals to make intractive dashboard, use slier and filter can increaser your work efficiency. We same page we can camplair differend type of visulas side by side.

Insights:

We observed that (complee with specific insights from your data analysis, such as trends, patterns, high-accident areas, etc.).

1. In this dataset it show most of the accident after does not any fatal casualites happen to anyone most of the accident only cause a slight casualities.
2. There are more than 80% accident happens by the car only
3. In 2022 accdent by the 2021
4. Most of the accident happen in single carriageway
5. Dry surface also the one of the reason for accident
6. Arban area has more accident than ruler area

The resulting data was transformed into an interactive dashboard that offers an intuitive and informative user experience.

We can also get information about the this accidents by links given in the dashboard . we male the dashboard from directly dashboard.

Beneficiaries: This project is beneficial for:

- Ministry of Transport
- Police Force
- Road Safety Corps
- Traffic Management Agencies
- The General Public