**About Accident Dataset**

The dataset is compiled of various columns containing details of the accident.

**Details About the columns:**

* **Accident\_Index**: This is the unique identifier/Primary key in the data.
* **Accident Date**: Date of Accident
* **Day\_of\_Week**: Weekday of the accident
* **Junction\_Control**: Junction around the accident spot
* **Junction\_Detail**: whether the accident took place in T-point or cross over or other spots
* **Accident\_Severity**: Severity of the accident
* **Latitude** - latitude
* **Light\_Conditions** - whether the accident took place in broad daylight or during Dark
* **Local\_Authority\_(District)**: District of accident
* **Carriageway\_Hazards**: Possible reason behind the accident. Obstacle on road/ Animal crossing/ vehicle overloading/ Previous accident/etc
* **Longitude**: Longitude
* **Number\_of\_Casualties**: Number of casualties involved in the accident
* **Number\_of\_Vehicles**: Number of vehicles involved in the accident.
* **Police\_Force**: Reporting Police.
* **Road\_Surface\_Conditions**: Condition of the Road Surface during an accident. Wet/snow/Dry/Iced/etc
* **Road\_Type**: Type of Road. State Highway/National Highway/etc.
* **Speed\_limit**: Speed Limit on the road of accident.
* **Time**: Time of the accident
* **Urban\_or\_Rural\_Area**: The area of the accident falls in Urban or Rural civilization
* **Weather\_Conditions**: Weather conditions during the accident.
* **Vehicle\_Type**: Type of vehicle involved in the accident. Bicycle/car/van/tractor/Truck/etc.

**This Dataset can be used for:**

* A detailed analysis to learn about the root causes of the accident.
* Dashboard building on tools like Microsoft Excel, Tableau, Power BI, etc.
* A detailed analysis using Pandas, NumPy, and MS-Excel to generate insights.
* Create interactive chats and plots using Matplotlib, Seaborn, Plotly, ggplot, etc.
* Data Storytelling based on insights extracted from the analysis of the data.
* Data analysis using SQL to find interesting insights from the data.