# Data Overview

This document provides an overview of the road accident dataset. The data contains records related to traffic accidents, including details about location, severity, weather conditions, and involved vehicles.

## Dataset Dimension

Total records: 307973

Number of features: 23

**Key Data Fields**

* **Accident Details**: Date, Time, Accident Severity, Number of Casualties
* **Location Information**: Latitude, Longitude, Urban or Rural Area
* **Road Conditions**: Road Surface, Light Conditions, Speed Limit
* **Weather Conditions**: Weather at the time of accident
* **Vehicle Information**: Type of vehicle involved

### ****Column Descriptions****

Accident Index: A unique identifier for each accident.

Accident Date: The date of the accident.

Month: The month in which the accident occurred.

Day of Week: The day of the accident.

Year: The year.

Junction Control: The type of intersection control (e.g., a traffic light, or an uncontrolled intersection).

Junction Detail: The intersection details (e.g., a T-junction, or a cross-over intersection).

Accident Severity: The severity of the accident (minor, serious).

Latitude, Longitude: The coordinates of the accident location.

Light Conditions: The lighting conditions (day, night, or lights on).

Local Authority (District): The administrative area (Kensington and Chelsea).

Carriageway Hazards: Hazards on the road (if any).

Number of Casualties: The number of injuries.

Number of Vehicles: The number of vehicles involved.

Police Force: The responsible security agency (Metropolitan Police).

Road Surface Conditions: The condition of the road surface (dry, wet, icy, etc.).

Road Type: The type of road (one-way, dual carriageway, etc.).

Speed limit: The speed limit on the road.

Time: The time of the incident.

Urban or Rural Area: The area (urban or rural).

Weather Conditions: The weather condition (clear, rainy, snowy, etc.).

Vehicle Type: The type of vehicle involved (car, motorcycle, truck, etc.).