**Data Dictionary**

**We have 2 datasets**

1. **Traffic stops data/Traffic Violation Data of Maryland (A State in USA) (2021-2025)**
2. **Whether Data of Maryland (2021-2025)**

**Data Dictionary**

1. **Traffic Stop Information**

|  |  |
| --- | --- |
| **Column Name** | **Description** |
| **SeqID** | Unique identifier for each traffic stop |
| **Date Of Stop** | Date of the stop |
| **Time Of Stop** | Time of the stop |
| **Agency** | Law enforcement agency making the stop |
| **Sub Agency** | Sub-unit of the main agency |
| **Location** | General area where the stop occurred |
| **Description** | Textual description of the stop location |
| **Latitude / Longitude** | GPS coordinates of the stop |
| **Geolocation** | Geotag or text-based location field |
| **Work Zone** | Indicates if the stop occurred in a construction/work zone |

1. **Driver Information**

|  |  |
| --- | --- |
| Column Name | Description |
| Race | Race of the driver |
| Gender | Gender of the driver |
| Driver City | Driver's residential city |
| Driver State | Driver's residential state |
| DL State | State that issued the driver’s license |

1. **Vehicle Information**

|  |  |
| --- | --- |
| Column Name | Description |
| Vehicle Type | Type of vehicle (SUV, Sedan, etc.) |
| Year | Year the vehicle was manufactured |
| Make | Manufacturer of the vehicle (e.g., Toyota) |
| Model | Specific model (e.g., Camry) |
| Color | Vehicle color |
| Commercial Vehicle | Whether it was a commercial vehicle |
| Commercial License | If the driver had a commercial driver’s license |
| HAZMAT | If the vehicle carried hazardous materials |

1. **Violation & Arrest Details**

|  |  |
| --- | --- |
| Column Name | Description |
| Violation Type | Type of traffic violation (e.g., Speeding) |
| Charge | Specific legal charge |
| Article | Legal article/code under which charge falls |
| Accident | Indicates if there was an accident during the stop |
| Contributed To Accident | Whether the driver’s actions contributed to the accident |
| Belts | Seatbelt compliance (Yes/No) |
| Personal Injury | If anyone was injured |
| Property Damage | If there was property damage |
| Fatal | If the incident resulted in death |
| Alcohol | Alcohol involvement (Yes/No) |
| Arrest Type | Type of arrest made (e.g., custodial) |

1. **Search Details**

|  |  |
| --- | --- |
| Column Name | Description |
| Search Conducted | Whether a search was conducted |
| Search Disposition | Result of the search (evidence found, etc.) |
| Search Outcome | Outcome such as arrest, citation |
| Search Reason | Why the search was conducted |
| Search Reason For Stop | Reason for stopping the vehicle |
| Search Type | Type of search (vehicle/person) |
| Search Arrest Reason | Reason for arrest after search |

**Weather Information (from Maryland Weather Dataset)**

|  |  |
| --- | --- |
| Column Name | Description |
| Date Of Stop | Date to align with traffic stop data |
| tavg | Average temperature |
| tmin | Minimum temperature |
| tmax | Maximum temperature |
| prcp | Precipitation level (rainfall, snow) |
| snow | Snowfall amount |
| wdir | Wind direction |
| wspd | Average wind speed |
| wpgt | Peak wind gust |
| pres | Atmospheric pressure |
| tsun | Total sunshine duration |
| Location | Location of the weather reading (to match traffic stop location) |