

# U.S. ACCIDENT ANALYSIS

**ID** : This is a unique identifier of the accident record.

**Source** : Source of raw accident data.

**Severity** : Shows the severity of the accident, a number between 1 and 4, where 1 indicates the least impact on traffic.

**Start\_Time** : Shows start time of the accident in the local time zone.

**End\_Time** : Shows end time of the accident in the local time zone. End time here refers to the impact of an accident.

**Start\_Lat** : Shows latitude in GPS coordinate of the start point.

**Start\_Lng** : Shows longitude in GPS coordinate of the start point.

**End\_Lat** : Shows latitude in GPS coordinate of the end point.

**End\_Lng** : Shows longitude in GPS coordinate of the end point.

**Distance(mi)** : The length of the road extent affected by the accident in miles.

**Description** : Shows a human provided description of the accident.

**Street** : Shows the street name in the address field.

**City** : Shows the city in the address field.

**County** : Shows the county in the address field.

**State** : Shows the state in the address field.

**ZipCode** : Shows the zipcode in the address field.

**Country** : Shows the country in the address field.

**Timezone** : Shows timezone based on the location of the accident (eastern, central, etc.).

**Airport\_Code** : Denotes an airport-based weather station which is the closest one to location of the accident.

**Weather\_Timestamp** : Shows the time-stamp of a weather observation record (in local time).

**Temperature(F)** : Shows the temperature (in Fahrenheit).

**Wind\_Chill(F)** : Shows the wind chill (in Fahrenheit).

**Humidity(%)** : Shows the humidity (in percentage).

**Pressure(in)** : Shows the air pressure (in inches).

**Visibility(mi)** : Shows visibility (in miles).

**Wind\_Direction** : Shows wind direction.

**Wind\_Speed(mph)** : Shows wind speed (in miles per hour).

**Precipitation(in)** : Shows precipitation amount in inches, if there is any.

**Weather\_Condition** : Shows the weather condition (rain, snow, thunderstorm, fog, etc.)

**Amenity** : A POI annotation which indicates presence of amenity in a nearby location.

**Bump** : A POI annotation which indicates presence of speed bump or hump in a nearby location.

**Crossing** : A POI annotation which indicates presence of crossing in a nearby location.

**Give\_way** : A POI annotation which indicates presence of give\_way in a nearby location.

**Junction** : A POI annotation which indicates presence of a junction in a nearby location.

**No\_Exit** : A POI annotation which indicates presence of no\_exit in a nearby location.

**Railway** : A POI annotation which indicates presence of railway in a nearby location.

**Roundabout** : A POI annotation which indicates the presence of a roundabout in a nearby location.

**Station** : A POI annotation which indicates the presence of a station in a nearby location.

**Stop** : A POI annotation which indicates presence of stop in a nearby location.

**Traffic\_Calming** : A POI annotation which indicates presence of traffic\_calming in a nearby location.

**Traffic\_Signal** : A POI annotation which indicates presence of traffic\_signal in a nearby location.

**Turning\_Loop** : A POI annotation which indicates presence of turning\_loop in a nearby location.

**Sunrise\_Sunset** : Shows the period of day (i.e. day or night) based on sunrise/sunset.

**Civil\_Twilight** : Shows the period of day (i.e. day or night) based on civil twilight.

**Nautical\_Twilight** : Shows the period of day (i.e. day or night) based on nautical twilight.

**Astronomical\_Twilight** : Shows the period of day (i.e. day or night) based on astronomical twilight.