**Format**

The data is provided in terms of a CSV file. Following table describes the data attributes (visit our [paper](https://arxiv.org/abs/1906.05409) to learn more about these attributes and how we obtained them):

|  |  |  |  |
| --- | --- | --- | --- |
| **#** | **Attribute** | **Description** | **Nullable** |
| 1 | ID | This is a unique identifier of the accident record. | No |
| 2 | Severity | Shows the severity of the accident, a number between 1 and 4, where 1 indicates the least impact on traffic (i.e., short delay as a result of the accident) and 4 indicates a significant impact on traffic (i.e., long delay). | No |
| 3 | Start\_Time | Shows start time of the accident in local time zone. | No |
| 4 | End\_Time | Shows end time of the accident in local time zone. End time here refers to when the impact of accident on traffic flow was dismissed. | No |
| 5 | Start\_Lat | Shows latitude in GPS coordinate of the start point. | No |
| 6 | Start\_Lng | Shows longitude in GPS coordinate of the start point. | No |
| 7 | End\_Lat | Shows latitude in GPS coordinate of the end point. | Yes |
| 8 | End\_Lng | Shows longitude in GPS coordinate of the end point. | Yes |
| 9 | Distance(mi) | The length of the road extent affected by the accident. | No |
| 10 | Description | Shows natural language description of the accident. | No |
| 11 | Number | Shows the street number in address field. | Yes |
| 12 | Street | Shows the street name in address field. | Yes |
| 13 | Side | Shows the relative side of the street (Right/Left) in address field. | Yes |
| 14 | City | Shows the city in address field. | Yes |
| 15 | County | Shows the county in address field. | Yes |
| 16 | State | Shows the state in address field. | Yes |
| 17 | Zipcode | Shows the zipcode in address field. | Yes |
| 18 | Country | Shows the country in address field. | Yes |
| 19 | Timezone | Shows timezone based on the location of the accident (eastern, central, etc.). | Yes |
| 20 | Airport\_Code | Denotes an airport-based weather station which is the closest one to location of the accident. | Yes |
| 21 | Weather\_Timestamp | Shows the time-stamp of weather observation record (in local time). | Yes |
| 22 | Temperature(F) | Shows the temperature (in Fahrenheit). | Yes |
| 23 | Wind\_Chill(F) | Shows the wind chill (in Fahrenheit). | Yes |
| 24 | Humidity(%) | Shows the humidity (in percentage). | Yes |
| 25 | Pressure(in) | Shows the air pressure (in inches). | Yes |
| 26 | Visibility(mi) | Shows visibility (in miles). | Yes |
| 27 | Wind\_Direction | Shows wind direction. | Yes |
| 28 | Wind\_Speed(mph) | Shows wind speed (in miles per hour). | Yes |
| 29 | Precipitation(in) | Shows precipitation amount in inches, if there is any. | Yes |
| 30 | Weather\_Condition | Shows the weather condition (rain, snow, thunderstorm, fog, etc.) | Yes |
| 31 | Amenity | A [POI](https://wiki.openstreetmap.org/wiki/Points_of_interest) annotation which indicates presence of [amenity](https://wiki.openstreetmap.org/wiki/Key:amenity) in a nearby location. | No |
| 32 | Bump | A POI annotation which indicates presence of speed bump or hump in a nearby location. | No |
| 33 | Crossing | A POI annotation which indicates presence of [crossing](https://wiki.openstreetmap.org/wiki/Key:crossing) in a nearby location. | No |
| 34 | Give\_Way | A POI annotation which indicates presence of [give\_way](https://wiki.openstreetmap.org/wiki/Tag:highway%3Dgive_way) in a nearby location. | No |
| 35 | Junction | A POI annotation which indicates presence of [junction](https://wiki.openstreetmap.org/wiki/Key:junction) in a nearby location. | No |
| 36 | No\_Exit | A POI annotation which indicates presence of [no\_exit](https://wiki.openstreetmap.org/wiki/Key:noexit) in a nearby location. | No |
| 37 | Railway | A POI annotation which indicates presence of [railway](https://wiki.openstreetmap.org/wiki/Key:railway) in a nearby location. | No |
| 38 | Roundabout | A POI annotation which indicates presence of [roundabout](https://wiki.openstreetmap.org/wiki/Tag:junction%3Droundabout) in a nearby location. | No |
| 39 | Station | A POI annotation which indicates presence of [station](https://wiki.openstreetmap.org/wiki/Key:station) in a nearby location. | No |
| 40 | Stop | A POI annotation which indicates presence of [stop](https://wiki.openstreetmap.org/wiki/Key:stop) in a nearby location. | No |
| 41 | Traffic\_Calming | A POI annotation which indicates presence of [traffic\_calming](https://wiki.openstreetmap.org/wiki/Key:traffic_calming) in a nearby location. | No |
| 42 | Traffic\_Signal | A POI annotation which indicates presence of [traffic\_signal](https://wiki.openstreetmap.org/wiki/Tag:highway%3Dtraffic_signals) in a nearby loction. | No |
| 43 | Turning\_Loop | A POI annotation which indicates presence of [turning\_loop](https://wiki.openstreetmap.org/wiki/Tag:highway%3Dturning_loop) in a nearby location. | No |
| 44 | Sunrise\_Sunset | Shows the period of day (i.e. day or night) based on sunrise/sunset. | Yes |
| 45 | Civil\_Twilight | Shows the period of day (i.e. day or night) based on [civil twilight](https://en.wikipedia.org/wiki/Twilight#Civil_twilight). | Yes |
| 46 | Nautical\_Twilight | Shows the period of day (i.e. day or night) based on [nautical twilight](https://en.wikipedia.org/wiki/Twilight#Nautical_twilight). | Yes |
| 47 | Astronomical\_Twilight | Shows the period of day (i.e. day or night) based on [astronomical twilight](https://en.wikipedia.org/wiki/Twilight#Astronomical_twilight). | Yes |