

The datasets you've provided contain detailed information on traffic crashes from different cities (Austin, New York City, and Chicago), each with its unique structure and column definitions. Let's break down the details of the columns under each file or data source:

Austin Crash Report Data - Crash Level Records

The Austin dataset consists of 54 columns, providing extensive details about each crash event. Here are some key columns:

crash_id: A unique identifier for the crash event.
crash_fatal_fl: Indicates if the crash was fatal.
crash_date and crash_time: The date and time when the crash occurred.
case_id: The case number assigned to the crash.
rpt_latitude and rpt_longitude: The reported latitude and longitude of the crash.
rpt_block_num, rpt_street_pfx, rpt_street_name: Details about the location reported for the crash.
crash_speed_limit: The speed limit in the area where the crash occurred.
road_constr_zone_fl: Indicates if the crash occurred in a construction zone.
latitude and longitude: The precise latitude and longitude of the crash.
death_cnt: The count of fatalities in the crash.
tot_injry_cnt: Total count of injuries.
pedestrian_fl, motor_vehicle_fl, motorcycle_fl, bicycle_fl, other_fl: Flags indicating the involvement of different types of participants in the crash.
units_involved: The number of units (vehicles, pedestrians, etc.) involved in the crash.

Motor Vehicle Collisions - Crashes | NYC Open Data

This dataset from New York City consists of 29 columns, including:

CRASH DATE and CRASH TIME: When the crash occurred.
BOROUGH and ZIP CODE: Where the crash occurred.
LATITUDE and LONGITUDE: Geolocation of the crash.
LOCATION: Combined latitude and longitude.
ON STREET NAME, CROSS STREET NAME, OFF STREET NAME: Specific location details.
NUMBER OF PERSONS INJURED/KILLED: Injury and fatality counts.
NUMBER OF PEDESTRIANS/CYCLIST/MOTORIST INJURED/KILLED: Detailed counts by participant type.
CONTRIBUTING FACTOR VEHICLE 1-5: Factors contributing to the crash for up to five vehicles.
VEHICLE TYPE CODE 1-5: Types of vehicles involved in the crash.
COLLISION_ID: A unique identifier for the crash event.

Traffic Crashes - Crashes | City of Chicago | Data Portal

The Chicago dataset contains 48 columns with comprehensive crash details, including:

CRASH_RECORD_ID: A unique ID that can also link to related datasets (vehicles and people involved).
CRASH_DATE: The date and time of the crash.

POSTED_SPEED_LIMIT, TRAFFIC_CONTROL_DEVICE, DEVICE_CONDITION: Details about the road conditions and traffic control at the crash site.

WEATHER_CONDITION, LIGHTING_CONDITION: Environmental conditions during the crash.

FIRST_CRASH_TYPE, TRAFFICWAY_TYPE: Types of crash and roadway.

ROADWAY_SURFACE_COND, ROAD_DEFECT: Road conditions.

CRASH_TYPE: A general classification of the crash severity.

INJURIES_TOTAL: Total number of injuries.

INJURIES_FATAL: Total number of fatalities.

LATITUDE, LONGITUDE: Location of the crash.

These columns provide a wealth of data for analyzing traffic crash patterns, causes, outcomes, and the involved parties across different jurisdictions.