

| Dimension | Attributes |
| --- | --- |
| dim\_ticket\_violation | ticket\_key, Violation Charged Code, Violation Description, Violation Day of Week, Violation Month, Age at Violation, Gender, State of License, Police Agency, Court |
| dim\_mtr\_crash\_vehicle | vehicle\_key, case vehicle id, vehicle body type, registration class, action prior to accident, type/axles of truck or bus, direction of travel, fuel type, vehicle year, number of occupants, engine cylinders, vehicle make, contributing factor 1, contributing factor 1 description, contributing factor 2, contributing factor 2 description, event type |
| dim\_mtr\_crash\_violation | violation\_key, Case Individual ID, Crash Violation Description, Violation Code |
| dim\_mtr\_crash\_individual | individual\_key, case individual id, case vehicle id, victim status, role type, seating position, ejection, sex, transported by, safety equipment, injury descriptor, injury location, injury severity |
| fact\_dmv | ticket\_key, violation\_key, individual\_key, vehicle\_key, count\_ticket\_violations, count\_motor\_violations |

Here is a brief overview of the ETL process for loading the given data into the dimensional model:

Extract the data from the source files (CSV format).

Transform the data to match the dimensional model:

Standardizing data formats and values.

Filtering out unnecessary columns and records (e.g., excluding irrelevant data or records with missing values).

Load data into dimension or fact table.