



6- Crashes.csv

7- Crashes_Vehicles.csv



SQL Tables

8- Traffic_Congestion.csv

1- Speed_Camera_Violations.csv

2- RedLight_Camera_Violations.csv

3- Avg_Traffic_Count.json

List
CRASH_RECORD_ID
CRASH_DATE
POSTED_SPEED_LIMIT
WEATHER_CONDITION
LIGHTING_CONDITION
CRASH_TYPE

List
CRASH_RECORD_ID
CRASH_DATE
UNIT_TYPE
VEHICLE_ID
MAKE
MODEL
VEHICLE_YEAR

List
TIME
STREET
FROM_STREET
TO_STREET
LENGTH
START_LOCATION
END_LOCATION



ETL



ETL



ETL

List
VIOLATION DATE
CAMERA ID
ADDRESS
VIOLATIONS

List
VIOLATION DATE
CAMERA ID
ADDRESS
VIOLATIONS

List
Date of Count
Location
Street
Total Passing Vehicle Volume
Traffic Volume Count
Location Address

SQL Query Joined



Final Datawarehouse Dimensional Model Fact & Dim Table



Azure Analysis Services



4- Crashes_People.csv

5- Crashes_Fatalities.json

List
PERSON_ID
PERSON_TYPE
CRASH_RECORD_ID
VEHICLE_ID
CRASH_DATE
SEX
AGE
INJURY_CLASSIFICATION

List
PERSON_ID
CRASH_DATE
VICTIM
CRASH_LOCATION

snowflake
Combined View

PySpark

ETL TASKS



Data Source 4 & 5 Combined View

