

**MOTOR VEHICLE THEFT ANALYSIS (SQL REPORT)**

***1. What day of the week are vehicles most often and least often stolen?***

SELECT

date\_stolen AS day\_of\_week,

COUNT (\*) AS theft\_count

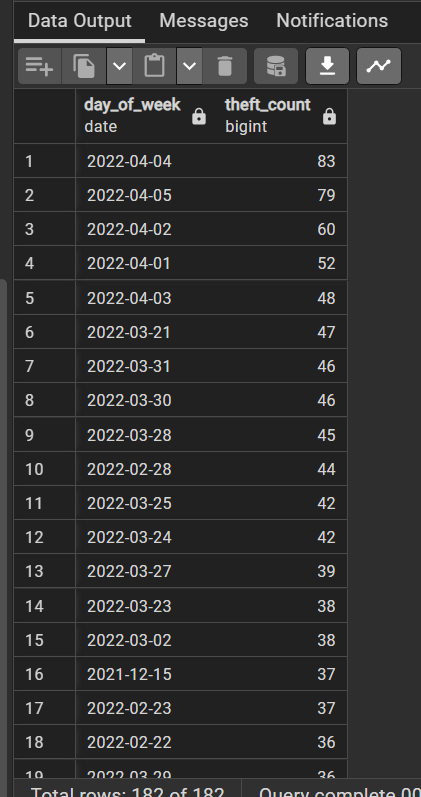
FROM stolen\_vehicles

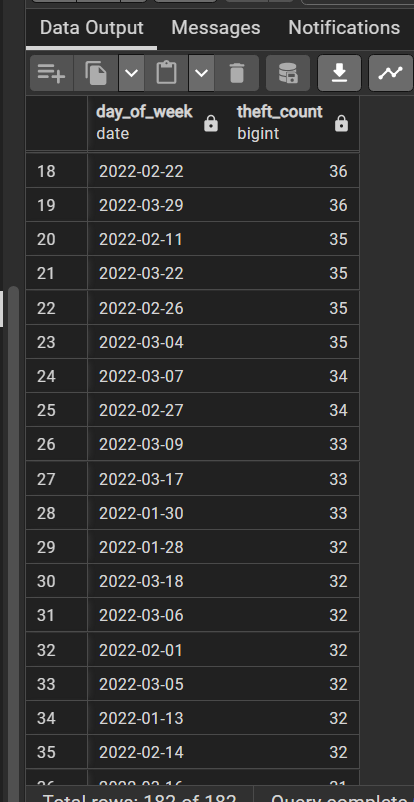
GROUP BY

day\_of\_week

ORDER BY

theft\_count DESC;





***2. What types of vehicles are most often and least often stolen?***

***--Does this vary by region?***

SELECT vehicle\_type,

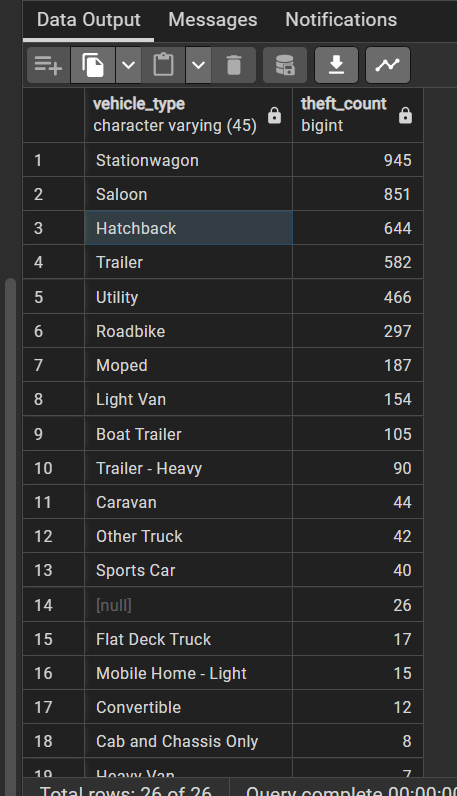
COUNT (\*) AS theft\_count

FROM stolen\_vehicles

GROUP BY vehicle\_type

ORDER BY

theft\_count DESC;



***--USING SUBQUERY (REGION)***

SELECT md.make\_type

AS vehicle\_type, l.region,

COUNT (\*) AS num\_thefts

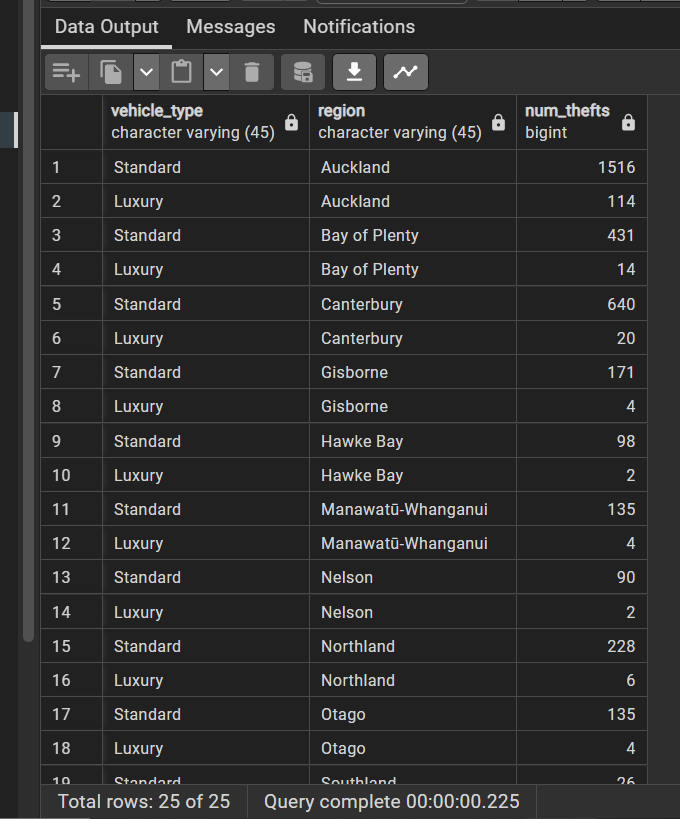
FROM stolen\_vehicles sv

JOIN make\_details md ON sv.make\_id = md.make\_id

JOIN locations l ON sv.location\_id = l.location\_id::TEXT

GROUP BY md.make\_type, l.region

ORDER BY l.region, num\_thefts DESC;



***3. What is the average age of the vehicles that are stolen? Does this vary based on the vehicle type*?**

SELECT

AVG(EXTRACT(YEAR FROM AGE(CURRENT\_DATE, DATE\_TRUNC('year', TO\_DATE(CAST(sv.model\_year AS TEXT), 'YYYY'))))::INTEGER) AS avg\_age

FROM stolen\_vehicles sv;

SELECT md.make\_type AS vehicle\_type,

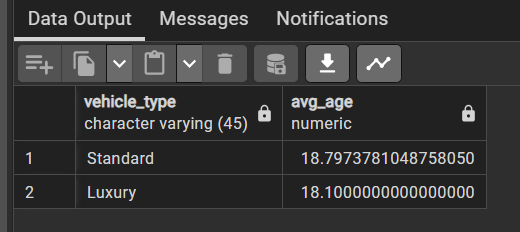
AVG(EXTRACT(YEAR FROM AGE(CURRENT\_DATE, DATE\_TRUNC('year', TO\_DATE(CAST(sv.model\_year AS TEXT), 'YYYY'))))::INTEGER) AS avg\_age

FROM stolen\_vehicles sv

JOIN make\_details md

ON sv.make\_id = md.make\_id

GROUP BY md.make\_type;



***4. Which regions have the most and least number of stolen vehicles? What are the characteristics of the regions?***

SELECT l.region,

COUNT (\*) AS num\_thefts,l.population

FROM stolen\_vehicles sv

JOIN locations l ON sv.location\_id = l.location\_id::TEXT

GROUP BY l.region, l.population

ORDER BY num\_thefts DESC;

