**MySQL Queries**

**-- Total sales by month**

SELECT month,

COUNT(\*) AS total\_sales,

SUM(price) AS total\_revenue

FROM car\_sales

GROUP BY month

ORDER BY month;

**-- Top 10 selling car models**

SELECT company, model, COUNT(\*) AS units\_sold

FROM car\_sales

GROUP BY company, model

ORDER BY units\_sold DESC

LIMIT 10;

**-- Average price by body style**

SELECT `body style`, AVG(price) AS avg\_price

FROM car\_sales

GROUP BY `body style`

ORDER BY avg\_price DESC;

**-- Sales by gender**

SELECT gender, COUNT(\*) AS sales\_count,

AVG(price) AS avg\_purchase\_price

FROM car\_sales

GROUP BY gender;

**-- Income brackets analysis**

SELECT

CASE

WHEN `annual income `< 50000 THEN 'Under 50000'

WHEN `annual income` BETWEEN 50000 AND 100000 THEN '50000-100000'

WHEN `annual income` BETWEEN 100000 AND 200000 THEN '100000-200000'

ELSE 'Over 200000'

END AS income\_bracket,

COUNT(\*) AS customer\_count,

AVG(price) AS avg\_purchase\_price

FROM car\_sales

GROUP BY income\_bracket

ORDER BY income\_bracket;

**-- Top performing dealers by revenue**

SELECT dealer\_name, dealer\_region,

COUNT(\*) AS units\_sold,

SUM(price) AS total\_revenue

FROM car\_sales

GROUP BY dealer\_name, dealer\_region

ORDER BY total\_revenue DESC

LIMIT 10;

**-- Average sale price by region**

SELECT dealer\_region, AVG(price) AS avg\_sale\_price

FROM car\_sales

GROUP BY dealer\_region

ORDER BY avg\_sale\_price DESC;