**ROAD ACCIDENT ANALYSIS SQL QUERIES**

**CY Casualties**

SELECT SUM(number\_of\_casualties) AS CY\_Casualties

FROM road\_accident

WHERE YEAR(accident\_date) = '2022'

**A close up of numbers

Description automatically generated**

**CY\_Accidents**

SELECT COUNT(DISTINCT accident\_index) AS CY\_Accidents

FROM road\_accident

WHERE YEAR(accident\_date) = '2022'

**CY\_Fatal\_Casualties**

SELECT SUM(number\_of\_casualties) AS CY\_Fatal\_Casualties

FROM road\_accident

WHERE YEAR(accident\_date) = '2022' AND accident\_severity = 'Fatal'

**A close-up of a box

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**CY\_Serious\_Casualties**

SELECT SUM(number\_of\_casualties) AS CY\_Serious\_Casualties

FROM road\_accident

WHERE YEAR(accident\_date) = '2022' AND accident\_severity = 'Serious'

**A close-up of a label

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**Casualties by Vehicle Type**

SELECT

CASE

WHEN vehicle\_type IN ('Agricultural vehicle') THEN 'Agricultural'

WHEN vehicle\_type IN ('Car', 'taxi/Private hire car') THEN 'Cars'

WHEN vehicle\_type IN ('Motorcycle 125cc and under', 'Motorcycle 50cc and under', 'Motorcycle over 125cc and upto 500cc',

'Motorcycle over 500cc', 'Pedal cycle') THEN 'Bike'

WHEN vehicle\_type IN ('Bus or coach (17 or more pass seats)', 'Minibus (8 - 16 passenger seats)') THEN 'Bus'

WHEN vehicle\_type IN ('Goods 7.5 tonnes mgw and over', 'Goods over 3.5t. and under 7.5t', 'Van/Goods 3.5 tonnes mgw or under')

THEN 'Van'

ELSE 'Other'

END AS vehicle\_group,

SUM(number\_of\_casualties) AS CY\_Casualties

FROM road\_accident

GROUP BY

CASE

WHEN vehicle\_type IN ('Agricultural vehicle') THEN 'Agricultural'

WHEN vehicle\_type IN ('Car', 'taxi/Private hire car') THEN 'Cars'

WHEN vehicle\_type IN ('Motorcycle 125cc and under', 'Motorcycle 50cc and under', 'Motorcycle over 125cc and upto 500cc',

'Motorcycle over 500cc', 'Pedal cycle') THEN 'Bike'

WHEN vehicle\_type IN ('Bus or coach (17 or more pass seats)', 'Minibus (8 - 16 passenger seats)') THEN 'Bus'

WHEN vehicle\_type IN ('Goods 7.5 tonnes mgw and over', 'Goods over 3.5t. and under 7.5t', 'Van/Goods 3.5 tonnes mgw or under')

THEN 'Van'

ELSE 'Other'

END

A screenshot of a vehicle group

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CY\_Casualties by Month

SELECT DATENAME(MONTH, accident\_date) AS Month\_Name, SUM(number\_of\_casualties) AS CY\_Casualties

FROM road\_accident

WHERE YEAR(accident\_date) = '2022'

GROUP BY DATENAME(MONTH, accident\_date)

A screenshot of a calendar

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