**ROAD ACCIDENT REPORT SQL QUERIES**

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

FROM road\_accident

WHERE YEAR(accident\_date) = '2022'



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

FROM road\_accident

WHERE YEAR(accident\_date) = '2022' AND road\_surface\_conditions = 'Dry'



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

FROM road\_accident

WHERE YEAR(accident\_date) = '2022'



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

FROM road\_accident

WHERE accident\_severity = 'Fatal'

A screen shot of a computer

Description automatically generated

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

FROM road\_accident

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

A screenshot of a computer

Description automatically generated

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

FROM road\_accident

WHERE accident\_severity = 'Serious'



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 sign

Description automatically generated

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

FROM road\_accident

WHERE accident\_severity = 'Slight'



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

FROM road\_accident

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



SELECT CAST (SUM(number\_of\_casualties) AS DECIMAL(10,2)) \* 100 /

(SELECT CAST (SUM(number\_of\_casualties) AS DECIMAL(10,2)) FROM road\_accident)

FROM road\_accident

WHERE accident\_severity = 'Slight'



SELECT CAST (SUM(number\_of\_casualties) AS DECIMAL(10,2)) \* 100 /

(SELECT CAST (SUM(number\_of\_casualties) AS DECIMAL(10,2)) FROM road\_accident)

FROM road\_accident

WHERE accident\_severity = 'Serious'

A screenshot of a computer

Description automatically generated

SELECT CAST (SUM(number\_of\_casualties) AS DECIMAL(10,2)) \* 100 /

(SELECT CAST (SUM(number\_of\_casualties) AS DECIMAL(10,2)) FROM road\_accident)

FROM road\_accident

WHERE accident\_severity = 'Fatal'



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', 'Motocycle over 125cc nd up to 500cc', 'Motocycle over 500cc', 'Pedal cycle') THEN 'Bike'

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

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

WHERE YEAR(accident\_date) = '2022'

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', 'Motocycle over 125cc nd up to 500cc', 'Motocycle over 500cc', 'Pedal cycle') THEN 'Bike'

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

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

ELSE 'Other'

END

A screenshot of a computer

Description automatically generated

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', 'Motocycle over 125cc nd up to 500cc', 'Motocycle over 500cc', 'Pedal cycle') THEN 'Bike'

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

WHEN vehicle\_type IN ('Goods over 3.5t. and under 7.5t','Goods 7.5 tonnes mgw and over', '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', 'Motocycle over 125cc nd up to 500cc', 'Motocycle over 500cc', 'Pedal cycle') THEN 'Bike'

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

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

ELSE 'Other'

END

A screenshot of a computer

Description automatically generated

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

Description automatically generated

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

FROM road\_accident

WHERE YEAR(accident\_date) = '2021'

GROUP BY DATENAME(MONTH, accident\_date)

A screenshot of a calendar

Description automatically generated

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

FROM road\_accident

WHERE YEAR(accident\_date) = '2021' AND road\_surface\_conditions = 'Dry'

GROUP BY DATENAME(MONTH, accident\_date)

A screenshot of a table

Description automatically generated

SELECT road\_type, SUM(number\_of\_casualties) AS CY\_Casualties FROM road\_accident

WHERE YEAR(accident\_date) = '2022'

GROUP BY road\_type

A screenshot of a computer

Description automatically generated

SELECT urban\_or\_rural\_area, SUM(number\_of\_casualties) FROM road\_accident

WHERE YEAR(accident\_date) = '2022'

GROUP BY urban\_or\_rural\_area

A white box with black text

Description automatically generated

SELECT urban\_or\_rural\_area, CAST(SUM(number\_of\_casualties) AS DECIMAL(10,2)) \* 100 /

(SELECT CAST(SUM(number\_of\_casualties) AS DECIMAL(10,2)) FROM road\_accident WHERE YEAR(accident\_date) = '2022')

AS Percentage\_of\_Total

FROM road\_accident

WHERE YEAR(accident\_date) = '2022'

GROUP BY urban\_or\_rural\_area

A white rectangular object with black text

Description automatically generated

SELECT urban\_or\_rural\_area, SUM(number\_of\_casualties) AS Total\_Casualties, CAST(SUM(number\_of\_casualties) AS DECIMAL(10,2)) \* 100 /

(SELECT CAST(SUM(number\_of\_casualties) AS DECIMAL(10,2)) FROM road\_accident WHERE YEAR(accident\_date) = '2022')

AS Percentage\_of\_Total

FROM road\_accident

WHERE YEAR(accident\_date) = '2022'

GROUP BY urban\_or\_rural\_area

A screenshot of a computer

Description automatically generated

SELECT

CASE

WHEN light\_conditions IN ('Daylight') THEN 'Day'

WHEN light\_conditions IN ('Darkness - lighting unknown', 'Darkness - lights lit',

'Darkness - lights unlit', 'Darkness - no lighting') THEN 'Night'

END AS Light\_Condition,

CAST(CAST(SUM(number\_of\_casualties) AS DECIMAL(10,2)) \* 100 /

(SELECT CAST(SUM(number\_of\_casualties) AS DECIMAL(10,2)) FROM road\_accident WHERE YEAR(accident\_date) = '2022') AS DECIMAL(10,2))

AS CY\_Casualties\_Percentage

FROM road\_accident

WHERE YEAR(accident\_date) = '2022'

GROUP BY

CASE

WHEN light\_conditions IN ('Daylight') THEN 'Day'

WHEN light\_conditions IN ('Darkness - lighting unknown', 'Darkness - lights lit',

'Darkness - lights unlit', 'Darkness - no lighting') THEN 'Night'

END

A screenshot of a computer

Description automatically generated

SELECT TOP 10 local\_authority, SUM(number\_of\_casualties) AS Total\_casualties

FROM road\_accident

GROUP BY local\_authority

ORDER BY Total\_casualties DESC

A screenshot of a table

Description automatically generated