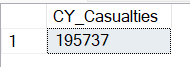
ROAD ACCIDENT REPORT – SQL QUERIES

**CY Casualties**

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

WHERE YEAR(accident\_date) = '2022'

****

**PY Casualties**

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

FROM road\_accident

WHERE YEAR(accident\_date) = '2021'

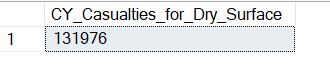


**CY Casualties for Dry Surface**

SELECT SUM(number\_of\_casualties) AS CY\_Casualties\_for\_Dry\_Surface

FROM road\_accident

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

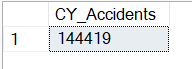
****

**CY Accidents**

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

FROM road\_accident

WHERE YEAR(accident\_date) = '2022'

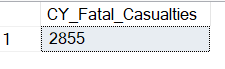
****

**CY Fatal Casualties**

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

FROM road\_accident

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

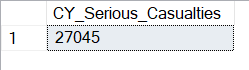
****

**CY Serious Casualties**

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

FROM road\_accident

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

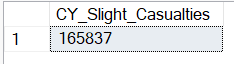
****

**CY Slight Casualties**

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

FROM road\_accident

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

****

Secondary KPI’s

**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 up to 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

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'

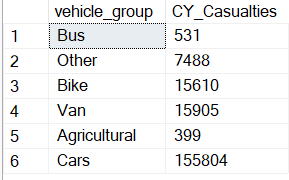
WHEN vehicle\_type IN ('Motorcycle 125cc and under','Motorcycle 50cc and under','Motorcycle over 125cc and up to 500cc','Motorcycle over 500cc','Pedal cycle') THEN 'Bike'

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

****

**CY Casualties and PY Casualties Monthly Trend**

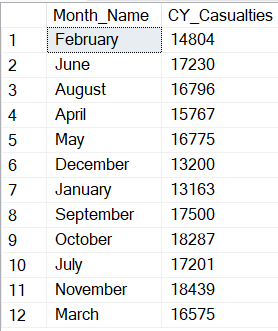
**CY:**

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)

****

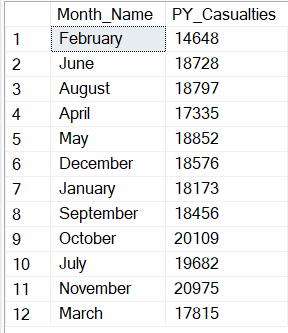
**PY:**

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)

****

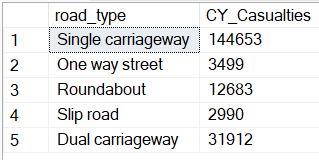
**CY Casualties by Road Type**

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

FROM road\_accident

WHERE YEAR(accident\_date) = '2022'

GROUP BY road\_type

****

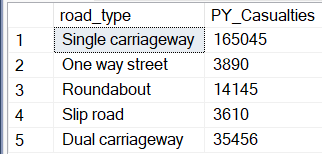
**PY Casualties by Road Type**

SELECT road\_type, SUM(number\_of\_casualties) AS PY\_Casualties

FROM road\_accident

WHERE YEAR(accident\_date) = '2021'

GROUP BY road\_type

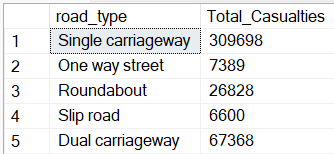
****

**Total Casualties by Road Type**

SELECT road\_type, SUM(number\_of\_casualties) AS Total\_Casualties

FROM road\_accident

GROUP BY road\_type

****

**Casualties by Urban/ Rural**

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))

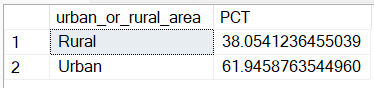
FROM road\_accident

WHERE YEAR(accident\_date) = '2022') AS PCT

FROM road\_accident

WHERE YEAR(accident\_date) = '2022'

GROUP BY urban\_or\_rural\_area

****

**Casualties by Light Condition**

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\_PCT

FROM road\_accident

WHERE YEAR(accident\_date) = '2022'

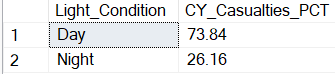
GROUP BY

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

****

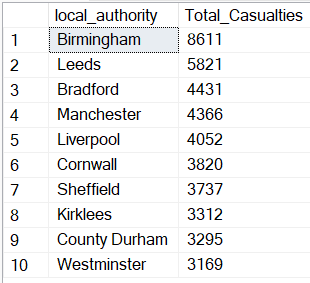
**Top 10 Locations by Number of Casualties**

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

FROM road\_accident

GROUP BY local\_authority

ORDER BY Total\_Casualties DESC

****