ROAD ACCIDENT REPORT SQL QUERIES

**CY Casualties**

Select sum (number\_of\_casualties) as CY\_Casualties

from road\_accident

Where year (accident\_date) ='2022'



**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 accident\_severity = 'Fatal' and year (accident\_date) = '2022'



**CY Serious Casualties**

Select sum (number\_of\_casualties) as CY\_Serious\_Casualties

From road\_accident

Where accident\_severity = 'Serious' and year (accident\_date) = '2022'



**CY Slight Casualties**

Select sum (number\_of\_casualties) as CY\_Slight\_Casualties

From road\_accident

Where accident\_severity = 'Slight' and year (accident\_date) = '2022'

****

**Fatal Casualties**

Select sum (number\_of\_casualties) as Fatal\_Casualties

From road\_accident

Where accident\_severity = 'Fatal'



Select cast (sum (number\_of\_casualties) as decimal (10, 2))\*100 /

(Select cast (sum (number\_of\_casualties) as decimal (10, 2)) from road\_accident) as PCT

From road\_accident

Where accident\_severity ='Fatal'



**Serious Casualties**

Select sum (number\_of\_casualties) as Serious\_Casualties

From road\_accident

Where accident\_severity = 'Serious'



Select cast (sum (number\_of\_casualties) as decimal (10, 2))\*100 /

(Select cast (sum (number\_of\_casualties) as decimal (10, 2)) from road\_accident) as Serious\_PCT

From road\_accident

Where accident\_severity ='Serious'



**Slight Casualties**

Select sum (number\_of\_casualties) as Slight\_Casualties

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) as Slight\_PCT

From road\_accident

Where accident\_severity ='Slight'

****

**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'

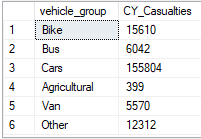
When vehicle\_type in ('Car', 'Taxi/Private hire car') then 'Cars'

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

****

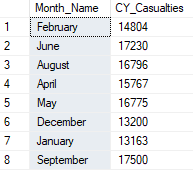
**CY CASUALTIES Vs PY CASUALTIES**

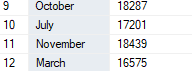
Select datename (MONTH, accident\_date) AS Month\_Name, sum (number\_of\_casualties) AS CY\_Casualties

From road\_accident

Where year (accident\_date) = '2022'

Group by datename (MONTH, accident\_date)

****

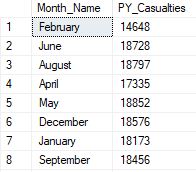
****

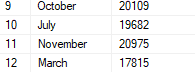
Select datename (MONTH, accident\_date) AS Month\_Name, sum (number\_of\_casualties) AS PY\_Casualties

From road\_accident

Where year (accident\_date) = '2021'

Group by datename (MONTH, accident\_date)

****

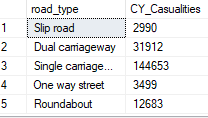
****

**CASUALTIES BY ROAD TYPE**

Select road\_type, sum (number\_of\_casualties) AS CY\_Casualities from road\_accident

Where year (accident\_date) = '2022'

Group by road\_type



**CASUALITIES BY URBAN/RURAL**

Select urban\_or\_rural\_area, sum (number\_of\_casualties) AS Total\_Casualities,

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\_urban\_rural 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

****

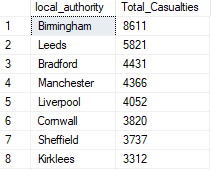
**TOP 10 LOCATIONS BY CASUALTIES**

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

FROM road\_accident

GROUP BY local\_authority

ORDER BY Total\_Casualties DESC



****