**ROAD ACCIDENT REPORT SQL QUERIES**

**CY Casualties**

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

from road\_accident

where year(accident\_date)='2022'

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**CY Accidents**

select count(distinct accident\_index) as CY\_Accidents

from road\_accident

where year(accident\_date)='2022'

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**CY Fatal Casualties**

select sum(number\_of\_casualties) as CY\_Fatal\_Casualties

from road\_accident

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

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**CY Serious Casualties**

select sum(number\_of\_casualties) as CY\_Serios\_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'

****

**Casualties by Vehicles 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\_Casualtoies

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'

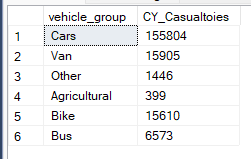
WHEN vehicle\_type in ('Motorcycle 125cc and under','Motorcycle 50cc and under','Motorcycle over 125cc and up to 500cc','Motorcycle over 500cc','Pedal cycle') THEN 'Bike'

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

****

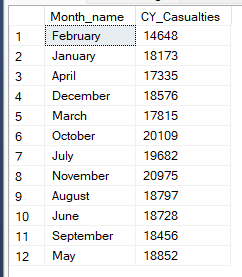
**CY Casualties vs PY Casualties by Month Trend**

select DATENAME(month,accident\_date)as Month\_name,sum (number\_of\_casualties) as CY\_Casualties

from road\_accident

where YEAR(accident\_date)='2021'

group by datename(MONTH, accident\_date)

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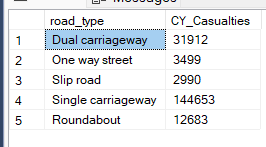
**CY Casualties by Road Type**

select road\_type ,sum(number\_of\_casualties) as CY\_Casualties

from road\_accident

where year(accident\_date)='2022'

group by road\_type



**Casualties by Urban or Rural Area**

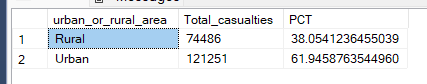
select urban\_or\_rural\_area,sum(number\_of\_casualties) as Total\_casualties ,cast(sum(number\_of\_casualties) as decimal(10,2)) \* 100 /

(select cast(sum(number\_of\_casualties) as decimal(10,2)) from road\_accident where YEAR(accident\_date)='2022') as PCT

from road\_accident

where YEAR(accident\_date)='2022'

group by urban\_or\_rural\_area



**Casualties by Light Conditions**

Select case when light\_conditions In ('Daylight') then 'Day' when light\_conditions In ('Darkness - lighting unknown','Darkness - lights unlit','Darkness - lights lit','Darkness - no lighting') then 'Night'

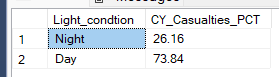
end as Light\_condtion, cast(cast(sum(number\_of\_casualties) as decimal(10,2)) \* 100 /

(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 unlit','Darkness - lights lit','Darkness - no lighting') then 'Night end



**Local Authority**

select top 10 local\_authority ,sum(number\_of\_casualties) as Total\_Casualties

from road\_accident

group by local\_authority

order by Total\_Casualties

