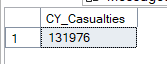
**ROAD ACCIDENT REPORT SQL QUERIES**

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

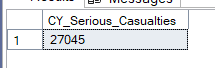


**CY Serious Casualties(the same for Slight)**

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

from road\_accident

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



**PCT Slight casualties( same for fatal and 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 PCT

from road\_accident

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



**Casualties by Vehicle Type**

Select

case

when vehicle\_type in ('Agricultural vehicle') then 'Aricultural'

when vehicle\_type in ('Motorcyle 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 'Aricultural'

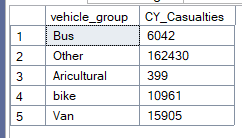
when vehicle\_type in ('Motorcyle 125cc and under','Motorcycle 50cc and under','Motorcycle over 125cc and up to 500cc','Motorcycle over 500cc','Pedal cycle') then 'bike'

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 Monthly**

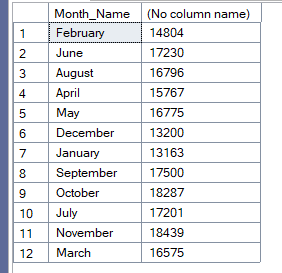
select datename(month,accident\_date) as Month\_Name,

sum(number\_of\_casualties)

from road\_accident

where year(accident\_date)='2022'

group by datename(month,accident\_date)



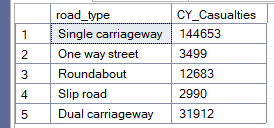
**CY Casualties by Road Type**

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

from road\_accident

where year(accident\_date)='2022'

group by road\_type



**PCT Casualties by Area**

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

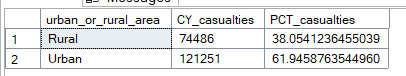
(select cast(sum(number\_of\_casualties)as decimal(10,2)) from road\_accident

where year(accident\_date)='2022') as PCT\_casualties

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'

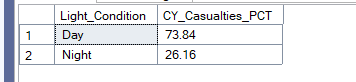
Group by

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 Total 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

