**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\_Serious\_Casualties

from road\_accident

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

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**CY Slight Casulaties**

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

from road\_accident

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

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**Casualties By Vehicle Type**

select

case

when vehicle\_type in ('Agricultural Vehicle') then 'Farm'

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 'Truck'

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 'Farm'

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 'Truck'

else 'Other'

end

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**CY Casualties Monthly Trend**

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

sum(number\_of\_casualties) 'CY Casualties'

from road\_accident

where year(accident\_date) = '2022'

group by datename(month, accident\_date)

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

sum(number\_of\_casualties) 'CY Casualties'

from road\_accident

where year(accident\_date) = '2021'

group by datename(month, accident\_date)

**A screenshot of a calendar

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**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

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**Casualties by Area Type**

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

(select sum(number\_of\_casualties) 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

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**Casualties by Light Conditions**

select

case

when light\_conditions in ('Daylight') then 'Day'

when light\_conditions in ('Darkness - lights lit','Darkness - no lighting','Darkness - lights unlit','Darkness - lighting unknown') 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\_Caualties\_PCT

from road\_accident

where year(accident\_date)='2022'

group by

case

when light\_conditions in ('Daylight') then 'Day'

when light\_conditions in ('Darkness - lights lit','Darkness - no lighting','Darkness - lighting unknown','Darkness - lights unlit') then 'Night'

end