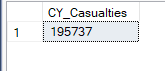
**ROAD ACCIDENT REPORT SQL QUERIES**

**Current Year Casualties**

select SUM(number\_of\_casualties) as CY\_Casualties from road\_accident

where YEAR(accident\_date) = '2022'

****

**Previous Year Casualties**

select SUM(number\_of\_casualties) as PY\_Casualties from road\_accident

where YEAR(accident\_date) = '2021'

****

**Current Year Accident**

select count(distinct accident\_index) as CY\_Accidents from road\_accident

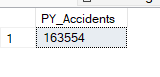
where year(accident\_date) = '2022'

****

**Previous Year Accident**

select count(distinct accident\_index) as PY\_Accidents from road\_accident

where year(accident\_date) = '2021'



**Current Year Accident By Road Surface Conditions**

select SUM(number\_of\_casualties) As CY\_Casualties

from road\_accident

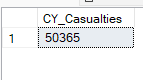
where YEAR(accident\_date)='2022' and road\_surface\_conditions = 'Dry'



select SUM(number\_of\_casualties) As CY\_Casualties

from road\_accident

where YEAR(accident\_date)='2022' and road\_surface\_conditions = 'Wet or damp'



select SUM(number\_of\_casualties) As CY\_Casualties

from road\_accident

where YEAR(accident\_date)='2022' and road\_surface\_conditions = 'Frost or ice'

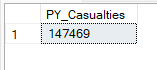


**Previous Year Accident By Road Surface Conditions**

select SUM(number\_of\_casualties) As PY\_Casualties

from road\_accident

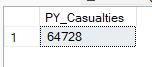
where YEAR(accident\_date)='2021' and road\_surface\_conditions = 'Dry'



select SUM(number\_of\_casualties) As PY\_Casualties

from road\_accident

where YEAR(accident\_date)='2021' and road\_surface\_conditions = 'Wet or damp'



select SUM(number\_of\_casualties) As PY\_Casualties

from road\_accident

where YEAR(accident\_date)='2021' and road\_surface\_conditions = 'Frost or ice'



**Current Year Slight Casualties**

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

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



**Current Year Fatal Casualties**

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

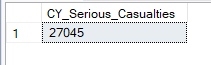
where accident\_severity = 'Fatal' And year(accident\_date) = '2022'



**Current Year Serious Casualties**

select sum(number\_of\_casualties) as CY\_Serious\_Casualties from road\_accident

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



**Previous Year Slight Casualties**

select sum(number\_of\_casualties) as PY\_Slight\_Casualties from road\_accident

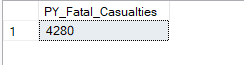
where accident\_severity = 'Slight' And year(accident\_date) = '2021'



**Previous Year Fatal Casualties**

select sum(number\_of\_casualties) as PY\_Fatal\_Casualties from road\_accident

where accident\_severity = 'Fatal' And year(accident\_date) = '2021'



**Previous Year Serious Casualties**

select sum(number\_of\_casualties) as PY\_Serious\_Casualties from road\_accident

where accident\_severity = 'Serious' And year(accident\_date) = '2021'



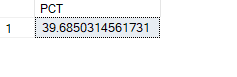
**Current Year Slight Casualties In Percentage**

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 = 'slight' And year(accident\_date) = '2022'



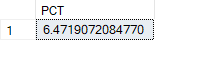
**Current Year Serious Casualties In Percentage**

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 = 'Serious' And year(accident\_date) = '2022'



**Current Year Fatal Casualties In Percentage**

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' And year(accident\_date) = '2022'



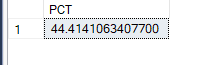
**Previous Year Slight Casualties In Percentage**

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 = 'slight' And year(accident\_date) = '2021'



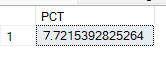
**Previous Year Serious Casualties In Percentage**

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 = 'Serious' And year(accident\_date) = '2021'



**Previous Year Fatal Casualties In Percentage**

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' And year(accident\_date) = '2021'



**Current Year Casualties By Vehicle Type**

SELECT

CASE

when Vehicle\_Type IN ('Agricultural vehicle') THEN 'Agricutural'

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 'Agricutural'

when Vehicle\_Type IN ('car','Taxi/Private hire car') THEN 'Cars'

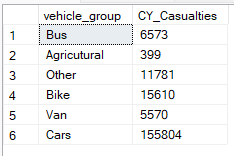
when Vehicle\_Type IN ('Motorcycle 125cc and under' , 'Motorcycle 50cc and under' , 'Motorcycle over 125cc and up to 500cc','Motorcycle over 500cc','Pedal cycle') THEN 'Bike'

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



**Previous Year Casualties By Vehicle Type**

SELECT

CASE

when Vehicle\_Type IN ('Agricultural vehicle') THEN 'Agricutural'

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 PY\_Casualties

from road\_accident

where YEAR(accident\_date) = '2021'

group by

CASE

when Vehicle\_Type IN ('Agricultural vehicle') THEN 'Agricutural'

when Vehicle\_Type IN ('car','Taxi/Private hire car') THEN 'Cars'

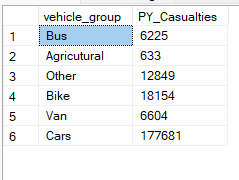
when Vehicle\_Type IN ('Motorcycle 125cc and under' , 'Motorcycle 50cc and under' , 'Motorcycle over 125cc and up to 500cc','Motorcycle over 500cc','Pedal cycle') THEN 'Bike'

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

****

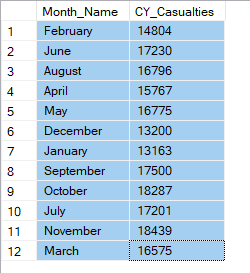
**Current Year Monthly Trend**

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)



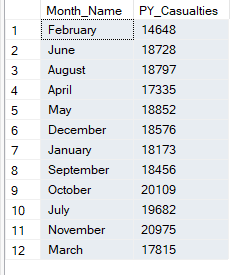
**Previous Year Monthly Trend**

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)



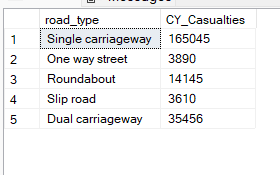
**Casualties By Road Type**

**Previous Year**

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

where year(accident\_date) = '2021'

group by road\_type

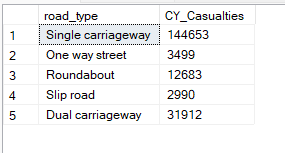
****

**Current Year**

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 & Rural Area**

**Previous Year**

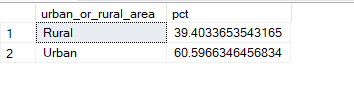
select urban\_or\_rural\_area , cast (sum(number\_of\_casualties)as decimal (10,2))\*100 /

(select cast (sum(number\_of\_casualties)as decimal (10,2)) from road\_accident where year(accident\_date)='2021') as pct

from road\_accident

where year(accident\_date) = '2021'

group by urban\_or\_rural\_area

****

**Current Year**

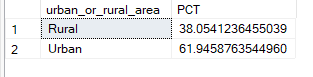
select urban\_or\_rural\_area , cast (sum(number\_of\_casualties)as decimal (10,2))\*100 /

(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 Location Along With Urban & Rural Area**

**Current Year**

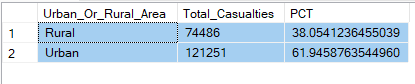
select Urban\_Or\_Rural\_Area,sum(number\_of\_casualties)as Total\_Casualties,cast(sum(number\_of\_casualties) as decimal (10,2))\*100 /

(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



**Previous Year**

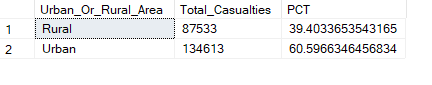
select Urban\_Or\_Rural\_Area ,sum(number\_of\_casualties)as Total\_Casualties,cast(sum(number\_of\_casualties) as decimal (10,2))\*100 /

(select cast (sum(number\_of\_casualties)as decimal (10,2)) from road\_accident where year(accident\_date)='2021') as PCT

from road\_accident

where year(accident\_date) = '2021'

group by Urban\_Or\_Rural\_Area



**Casualties By Light Condition**

**Current Year**

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'

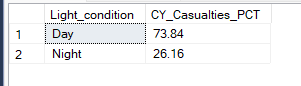
group by

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



**Previous Year**

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 PY\_Casualties\_PCT

from road\_accident

where year(accident\_date)='2021'

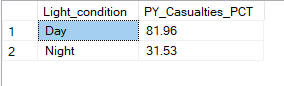
group by

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

****

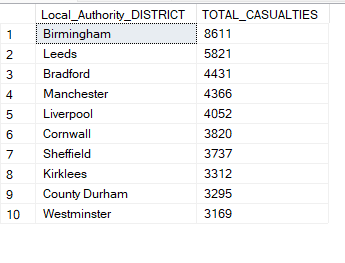
**Top 10 Location By Total Casualties**

select TOP 10 Local\_Authority\_DISTRICT, sum(number\_of\_casualties) as TOTAL\_CASUALTIES

from road\_accident

group by local\_authority\_DISTRICT

ORDER BY TOTAL\_CASUALTIES DESC

****