

## ROAD ACCIDENT REPORT SQL QUERIES

### CY Casualties:

```
SELECT SUM(number_of_casualties) AS CY_Casualties  
FROM road_accident  
WHERE YEAR(accident_date) = '2022'
```

	CY_Casualties
1	131976

### Fata Casualties:

```
SELECT SUM(number_of_casualties) AS CY_Fatal_Casualties  
FROM road_accident  
WHERE accident_severity = 'Fatal'
```

	CY_Fatal_Casualties
1	7135

### Slight Casualties:

```
SELECT CAST(SUM(number_of_casualties) AS DECIMAL(10,2))*100/  
(SELECT CAST(SUM(number_of_casualties) AS DECIMAL(10,2)) FROM road_accident)  
FROM road_accident  
WHERE accident_severity = 'Slight'
```

	(No column name)
1	84.0991377969431

## KPI for Vehicle Type Casualties:

```
SELECT * FROM road_accident
```

```
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 500cc') THEN 'Bike'
```

```
    WHEN vehicle_type IN ('Bus or coach (17 or more pass seats)', 'Bus or coach (17 or more pass seats)') THEN 'Bus'
```

```
    WHEN vehicle_type IN ('Goods 7.5 tonnes mgw and over', 'Van / Goods 3.5 tonnes mgw or under', 'Van / Goods 3.5 tonnes mgw or under') THEN 'Van'
```

```
    ELSE 'Other'
```

```
  END AS vehicle_category,
```

```
  COUNT(*) AS vehicle_count
```

```
FROM
```

```
  road_accident
```

```
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 500cc') THEN 'Bike'
```

```
    WHEN vehicle_type IN ('Bus or coach (17 or more pass seats)', 'Bus or coach (17 or more pass seats)') THEN 'Bus'
```

```
    WHEN vehicle_type IN ('Goods 7.5 tonnes mgw and over', 'Van / Goods 3.5 tonnes mgw or under', 'Van / Goods 3.5 tonnes mgw or under') THEN 'Van'
```

```
    ELSE 'Other'
```

```
  END;
```

	vehicle_category	vehicle_count
1	Bus	8686
2	Other	9193
3	Bike	21781
4	Van	22227
5	Agricultural	749
6	Cars	245337

## BY Month:

```
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)
```

Results Messages		
	Month_Name	(No column name)
1	February	14804
2	June	17230
3	August	16796
4	April	15767
5	May	16775
6	December	13200
7	January	13163
8	September	17500
9	October	18287
10	July	17201
11	November	18439
12	March	16575