ANALYZING ROAD SAFETY IN THE UK

```
CREATE TABLE `Accidents` (
```

```
CREATE TABLE vehicle types (
);
CREATE TABLE `Vehicles` (
);
LOAD DATA LOCAL INFILE "/Users/varunmalani/Downloads/FSDA Assignment
2/Accidents 2015.csv"
INTO TABLE Accidents
FIELDS TERMINATED BY ','
```

```
ENCLOSED BY '"'
LINES TERMINATED BY '\n'
IGNORE 1 ROWS;
LOAD DATA LOCAL INFILE "/Users/varunmalani/Downloads/FSDA Assignment
2/vehicle types.csv"
INTO TABLE vehicle types
FIELDS TERMINATED BY ','
ENCLOSED BY '"'
LINES TERMINATED BY '\n'
IGNORE 1 ROWS;
-- Loading the data into vehicle_types
LOAD DATA LOCAL INFILE "/Users/varunmalani/Downloads/FSDA Assignment
2/Vehicles 2015.csv"
INTO TABLE Vehicles
FIELDS TERMINATED BY ','
ENCLOSED BY '"'
LINES TERMINATED BY '\n'
IGNORE 1 ROWS;
SELECT * FROM vehicle_types
WHERE label LIKE "%Motorcycle%";
SELECT * FROM `Vehicles` v
LEFT JOIN `Accidents` a
ON v.`Accident_Index` = a.`Accident_Index`;
SELECT * FROM vehicle types vt
LEFT JOIN `Vehicles` v
ON vt.code = v.Vehicle Type
WHERE vt.label LIKE "%Motorcycle%";
SELECT vt.label, SUM(a.`Number of Vehicles`) as Total Accidents FROM vehicle types vt
LEFT JOIN `Vehicles` v
ON vt.code = v.Vehicle_Type
LEFT JOIN `Accidents` a
ON v.`Accident Index` = a.`Accident Index
GROUP BY vt.label, a. `Accident_Severity`
```

```
HAVING vt.label LIKE "%Motorcycle%" AND a.`Accident_Severity` = 2
ORDER BY Total Accidents DESC;
-- Final ans
SELECT vt.label, a.`Accident Severity`, SUM(a.`Number of Vehicles`) as Total Accidents
FROM vehicle types vt
LEFT JOIN `Vehicles` v
ON vt.code = v.Vehicle_Type
LEFT JOIN `Accidents` a
ON v.`Accident Index` = a.`Accident Index`
GROUP BY vt.label, a. `Accident Severity`
ORDER BY Total_Accidents DESC;
-- Q3
SELECT vt.label, AVG(a.`Accident_Severity`) as Avg_Severity FROM vehicle_types vt
LEFT JOIN `Vehicles` v
ON vt.code = v.Vehicle Type
LEFT JOIN `Accidents` a
ON v.`Accident Index` = a.`Accident Index`
GROUP BY vt.label;
-- Q4
SELECT vt.label, AVG(a.`Accident_Severity`) AS Avg_Severity,
SUM(a.`Number_of_Vehicles`) AS Total_Accidents FROM vehicle_types vt
LEFT JOIN `Vehicles` v
ON vt.code = v.Vehicle Type
LEFT JOIN `Accidents` a
ON v.`Accident_Index` = a.`Accident_Index`
GROUP BY vt.label
HAVING vt.label LIKE "%Motorcycle%"
ORDER BY 3 DESC;
```

ANALYZING THE WORLD POPULATION

No dataset