##1.Analyzing Road Safety in the UK

## Evaluate Accident Severity and Total Accidents per Vehicle Type

|  |
| --- |
|  |
|  | SELECT vt.vehicle\_type AS 'Vehicle Type', a.accident\_severity AS 'Severity', COUNT(vt.vehicle\_type) AS 'Number of Accidents' |
|  | FROM accident a |
|  | JOIN vehicles v ON a.accident\_index = v.accident\_index |
|  | JOIN vehicle\_types vt ON v.vehicle\_type = vt.vehicle\_code |
|  | GROUP BY 1 |
|  | ORDER BY 2,3; |
|  |  |
|  | ##Calculate the average Severity by vehicle type |
|  | SELECT vt.vehicle\_type AS 'Vehicle Type', AVG(a.accident\_severity) AS 'Average Severity', COUNT(vt.vehicle\_type) AS 'Number of Accidents' |
|  | FROM accident a |
|  | JOIN vehicles v ON a.accident\_index = v.accident\_index |
|  | JOIN vehicle\_types vt ON v.vehicle\_type = vt.vehicle\_code |
|  | GROUP BY 1 |
|  | ORDER BY 2,3; |
|  |  |
|  |  |
|  | ## Calculate the average Severity and Total Accidents by Motorcyle |
|  | SELECT vt.vehicle\_type AS 'Vehicle Type', AVG(a.accident\_severity) AS 'Average Severity', COUNT(vt.vehicle\_type) AS 'Number of Accidents' |
|  | FROM accident a |
|  | JOIN vehicles v ON a.accident\_index = v.accident\_index |
|  | JOIN vehicle\_types vt ON v.vehicle\_type = vt.vehicle\_code |
|  | WHERE vt.vehicle\_type LIKE '%otorcycle%' |
|  | GROUP BY 1 |
|  | ORDER BY 2,3; |