

ELECTRIC VEHICLES ANALYSIS USING SQL

Q1: Total Vehicles by Model Year (From 2010 Onwards)

```
SELECT Model_Year, COUNT(*) AS TotalVehicles  
FROM ElectricVehicles  
WHERE Model_Year >= 2010  
GROUP BY Model_Year  
ORDER BY Model_Year;
```

	Model_Year	TotalVehicles
	2018	32
	2019	26
	2020	22
	2021	10
	2022	10
	2023	18

Q2: Top 10 Total Vehicles by Make

```
13 •   SELECT Make, COUNT(*) AS TotalVehicles  
14     FROM ElectricVehicles  
15     GROUP BY Make  
16     ORDER BY TotalVehicles DESC  
17     LIMIT 10;
```

Make	TotalVehicles
TESLA	67
NISSAN	35
CHEVROLET	17
BMW	13
KIA	13
FORD	9

Q3: Top 10 Total Vehicles by Model

```
SELECT Model, COUNT(*) AS TotalVehicles  
FROM ElectricVehicles  
GROUP BY Model  
ORDER BY TotalVehicles DESC  
LIMIT 10;
```

Model	TotalVehicles
MODEL 3	37
LEAF	35
MODEL Y	12
MODEL S	12
BOLT EV	11
NIRO	8

Q4: Total Vehicles

```
SELECT COUNT(*) AS TotalVehicles  
FROM ElectricVehicles;
```

Result Grid		Filter Rows:	Export:	Wrap Cell Content:		
<table border="1"><thead><tr><th>TotalVehicles</th></tr></thead><tbody><tr><td>192</td></tr></tbody></table>				TotalVehicles	192	Result 12 X
TotalVehicles						
192						

Q5: Average Electric Range

```
• SELECT AVG(Electric_Range) AS AverageRange  
  FROM ElectricVehicles;
```

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
AverageRange				
126.1146				

Q6: Trend in the count of electric vehicles over the years, showing the count for each year

```
SELECT Model_Year, COUNT(*) AS VehicleCount  
FROM ElectricVehicles  
GROUP BY Model_Year  
ORDER BY Model_Year;
```

	Model_Year	VehicleCount
▶	2011	3
	2012	6
	2013	11
	2014	11
	2015	11
	2016	16

Q:7 Determine the total count of electric vehicles registered in Washington state.

```
SELECT COUNT(*) AS VehicleCount  
FROM ElectricVehicles  
WHERE State = 'WA';
```

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
<input type="button" value="VehicleCount"/>				
▶ 192				