# Electric vehicle Population Questions by Division

## EASY

Q1. Write a query to analyze the trend in the count of electric vehicles over the years, showing the count for each year.

Q2. Identify the top 3 electric vehicle models with the highest base Manufacturer's Suggested Retail Price (MSRP).

Q3. Identify the top 5 counties with the highest number of registered electric vehicles.

Q4. Determine the total count of electric vehicles registered in Washington state.

## MODERATE

Q5. Calculate the deviation of each electric vehicle's range from the average electric range of its corresponding model year

Q6. Provide a breakdown of the distribution of electric vehicle types (e.g., BEV, PHEV) for each county. Additionally, identify the county with the highest count of each electric vehicle type.

Q7. Compare the percentage of Clean Alternative Fuel Vehicle (CAFV) eligible electric vehicles among different makes. Identify the top 5 makes with the highest CAFV eligibility rates.

Q8. Find legislative districts where there is a diverse range of electric vehicle types, considering both Battery Electric Vehicles (BEV) and Plug-in Hybrid Electric Vehicles (PHEV)

Q9. Find VINs with irregularities in their structure, considering the first 10 characters. This could include duplicates or unexpected patterns

Q10.Find electric vehicles in regions where the adoption of Clean Alternative Fuel Vehicles (CAFVs) is high, considering both the number of CAFVs and the total number of electric vehicles.