

Electric Vehicle Population

Description of Organization

An electric vehicle uses electricity (EVs) as its primary power source, and can be further divided into two categories: Battery Electric Vehicles (BEVs) and Plug-in Hybrid Electric Vehicles (PHEVs).¹ As of 2021, the population of EVs in the United States is around 2 million.² However, this number is expected to increase with the release of newer EV models and expanded infrastructure.³ Additionally, government incentives have encouraged the adoption of electric vehicles.

Data about EVs is often collected by governments, research organizations, and industry associations and analyzed to understand the trends, patterns, and potential future developments of the electric vehicle market. This dataset shows the electric vehicles (EVs) that are currently registered through the Washington State Department of Licensing, which manages drivers' licenses and vehicle registration.

Description of Dataset

Electric Vehicle population data refers to the number of electric vehicles on the roads, including the number of BEVs and PHEVs. This dataset contains a list of both BEVs and PHEVs registered in the state of Washington and includes information on individual makes and models, locations, and eligibility for the state's Clean Alternative Fuel Vehicle program (a tax exemption).⁴

Potential Stakeholders

- Electrical Vehicle manufacturing companies
- Environmental and Pollution control organizations
- ***Explore the dataset and brainstorm additional potential stakeholders***

Potential Questions

- How has the electric vehicle population grown over time?
- Which company is dominating in the manufacturing of electric vehicles?
- ***Explore the dataset and brainstorm more potential questions the data can answer***

Special Considerations

- Very large number of rows, extensive data clean up / reduction is necessary.

Related Links

- [Original data source \(wa.gov\)](https://catalog.data.gov/dataset/) - **NOTE:** the data on this page may change. You **must** use the file in Canvas for your project.

¹ <https://catalog.data.gov/dataset/>

² <https://www.energy.gov/>

³ <https://electricdrive.org/ht/d/sp/i/68516/pid/68516>

⁴ <https://www.dol.wa.gov/vehicleregistration/altfuel exemptions.html>