Kandace Johnson
Jesus Paz
Chelsea Junger

Electric Vehicles: a Washington Analysis

Electric Vehicles have become more and more common in recent years. For this project we are looking at data from Washington State and the US Census API to examine the relationships and correlations between those who have chosen to purchase this newer technology. We will answer the question if the range of these vehicles has improved over time and if as it improves has this had an effect on the rate of purchase? We will examine what demographic factors are common among electric vehicle owners. We will examine which vehicles are the most popular and if that changes over time.

1. Improvements of Range
    a. Do newer vehicles have a further range?
2. What demographic factors are common among electric vehicle owners?
    a. Hypothesis- Are battery powered vehicles more popular in urban areas?
    b. Does income level correlate with certain brands?
3. What are the trends in regards to make and model of vehicles?
    a. What is the most popular make and model?
    b. Does this remain consistent over time or has it changed?

Possible Sources:
https://catalog.data.gov/dataset/electric-vehicle-population-data
https://data.census.gov/

Breakdown of Tasks:
Kandace: Clean & Format with Pandas
Data Exploration & Format Jupyter notebook
Chelsea: Final Data Analysis Jupyter Notebook
Create Visualizations with Matplotlib
Jesus: Save PNG images for distribution and inclusion in presentation
Write-up Summarizing Major Findings.

All: Incorporate API into research