

DATA EXPLANATION

The dataset used in this project is found here:

<https://catalog.data.gov/dataset/electric-vehicle-population-data>

The csv is a collection of records for the electric car population that are registered through Washington State Department of Licensing.

The dataset I believed would only be for the state of Washington but there are some records for cars registered in different states.

The columns in this dataset are as follows:

1. The vehicle VIN (1-10)
2. County
3. City
4. State
5. Postal Code
6. Model Year
7. Make
8. Model
9. Electric Vehicle Type
10. Clean Alternative Fuel Vehicle
11. Electric Range
12. Base MSRP
13. Legislative District
14. Vehicle ID
15. Vehicle Location (given in point)
16. Electric Utility
17. 2020 Census Tract

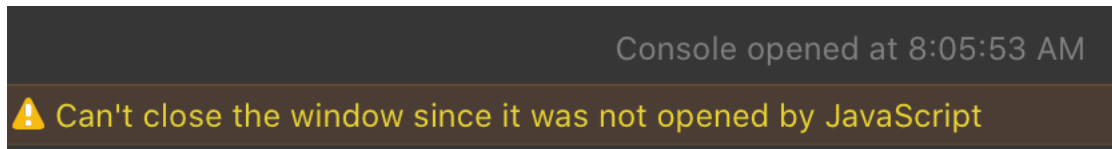
There are 90,000 records in this table. For this project the number is reduced to 1405.

On the website there are 4 different dropdown options with sub-options

MENU EXPLANATION

1. **File** contains all the options needed to upload csv file login to and log out of the database and exit the window.
2. **File > Load CSV File:** allows the user to upload the CSV. If a file other than CSV is uploaded error is shown.
3. **File > Login to DB:** Allows the user to log into the database ex: login:monkey pass:aaa. If password and/or login are incorrect error messages are shown. Upon successful login the user information is stored in cookies and their name is displayed 'welcome user Austin test'
4. **File > Logout DB:** Asks the user to confirm they would like to sign out, Yes results in signing the user out of their account and deleting the cookies. Cancel results in staying on the page

5. **File > Exit:** Kills the browser window but on my web browser there is an error that is thrown



6.

View

contains all the information needed to view the graphs: Bar, Line, Pie, Map. These graphs display when choosing a radio button option. Only the respective graph that is clicked will be shown. All other options will now display any graphs.

USER MUST UPLOAD CSV BEFORE CLICKING THESE OPTIONS OR NOTHING WILL DISPLAY

ex: upload csv > click Population by Make (Bar,Line)> View > Bar or Line.

This option specifies it only contains a bar and line graph. Clicking other options will not view anything

7. Setting > UserInfo: Displays the user information if they are logged in. Name, Login, UID, Gender. If the user is not logged in it will prompt the user to login first

8. Help > Info: Displays the developers info, Name, Course, Due Date.

9. Help > Client: Displays the users browser and os info. The name of the browser, Browser version, cookies enabled, java enabled, OS information

CHART EXPLANATION

1. Population by City (Bar,Line):

The bar graph is a representation of total number of vehicles make in each year