Abstract

The purpose of our paper is to analyze the dataset from Better Electric Vehicles (BEVs) and Plug-in Hybrid Electric Vehicles (PHEVs) that are currently registered through Washington State Department of Licensing (DOL). The data features historical data on multiple vehicles including data elements featuring models, range, location and clean alternative fuel incentive eligibility. The paper consists of a mapped and calculated statistical analysis of the data for vehicle model years from 2008 to 2022 as of February 17, 2023. Using the cloud visualization tool SAP Analytics Cloud (SAC) to import and clean the data, we will complete comprehensive investigations and employ class lecture information as needed. Then, we will present insights using visualization, regression, clustering and time-series analysis. Our research intends to reveal what electric vehicle (EV) models are more present in the state of Washington and which county has the most registered EVs. The research is relevant to the popularity trends for EV purchases made in the state of Washington which has become increasingly popular.