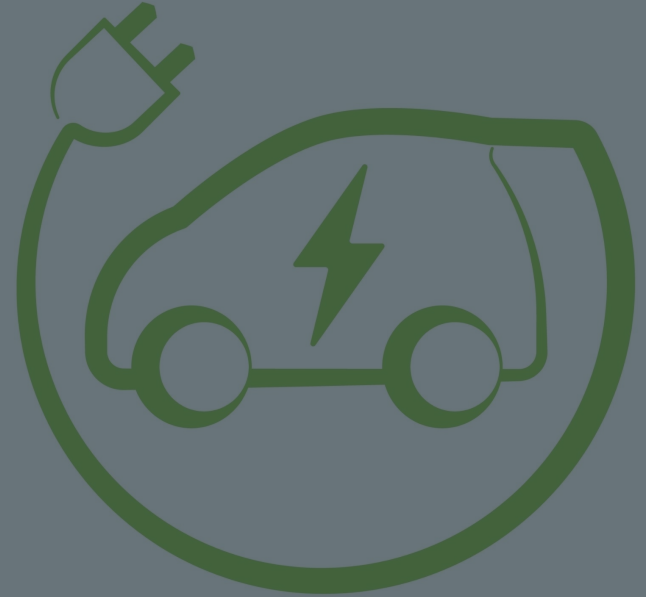


Electric Vehicles

Washington State Analysis

Project Scope

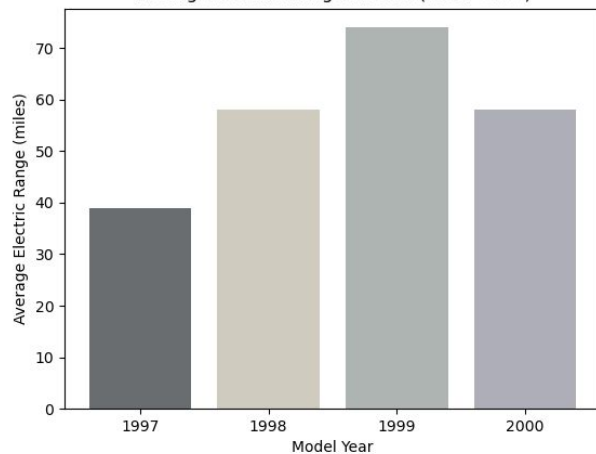
For this project we are looking at data from Washington State and the US Census API (2010-2020) to examine the relationships and correlations between those who have chosen to purchase this newer technology.



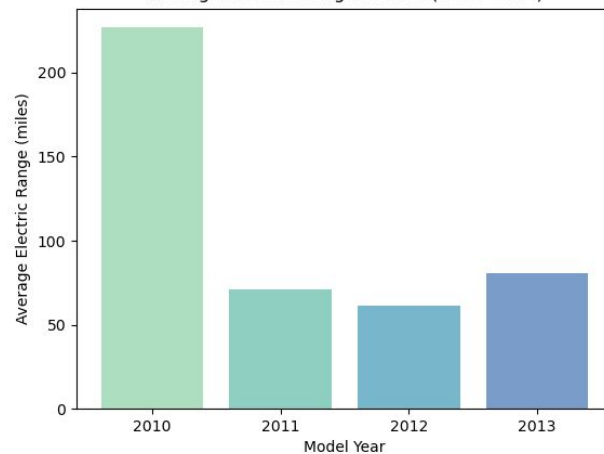
**Hypothesis : Newer vehicles will have larger range
(miles per charge).**



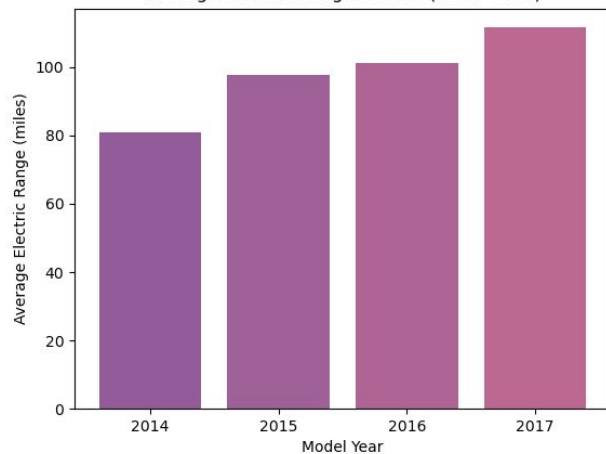
Average Electric Range Models (1997-2000)



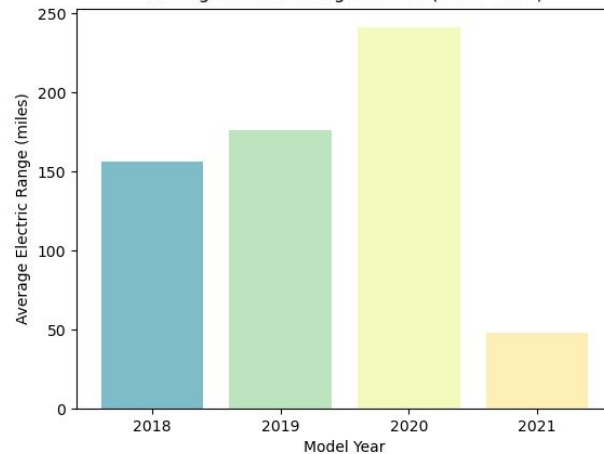
Average Electric Range Models (2010-2013)



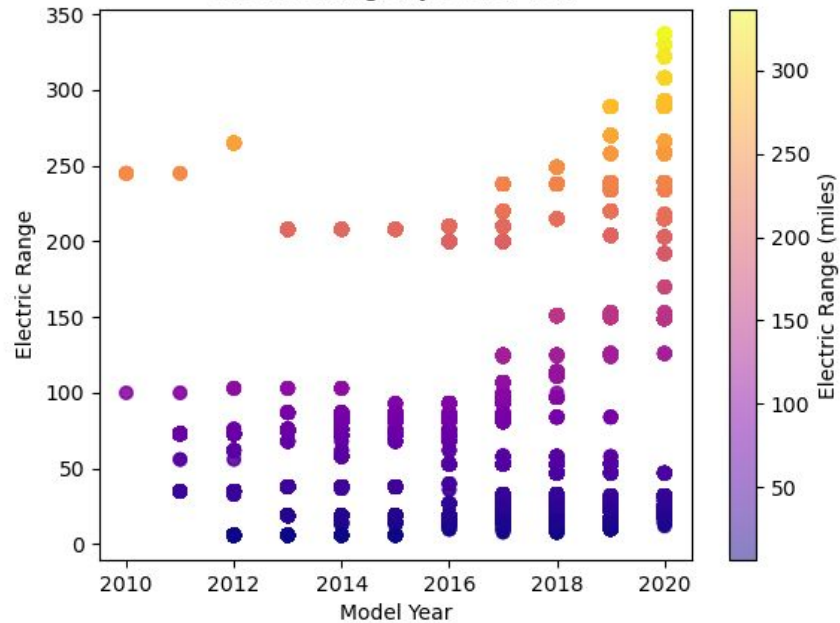
Average Electric Range Models (2014-2017)



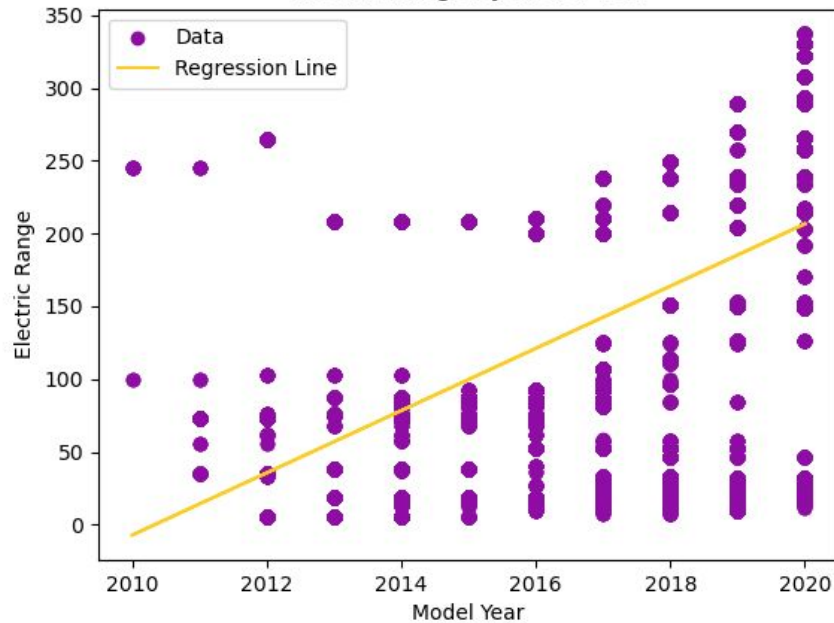
Average Electric Range Models (2018-2021)



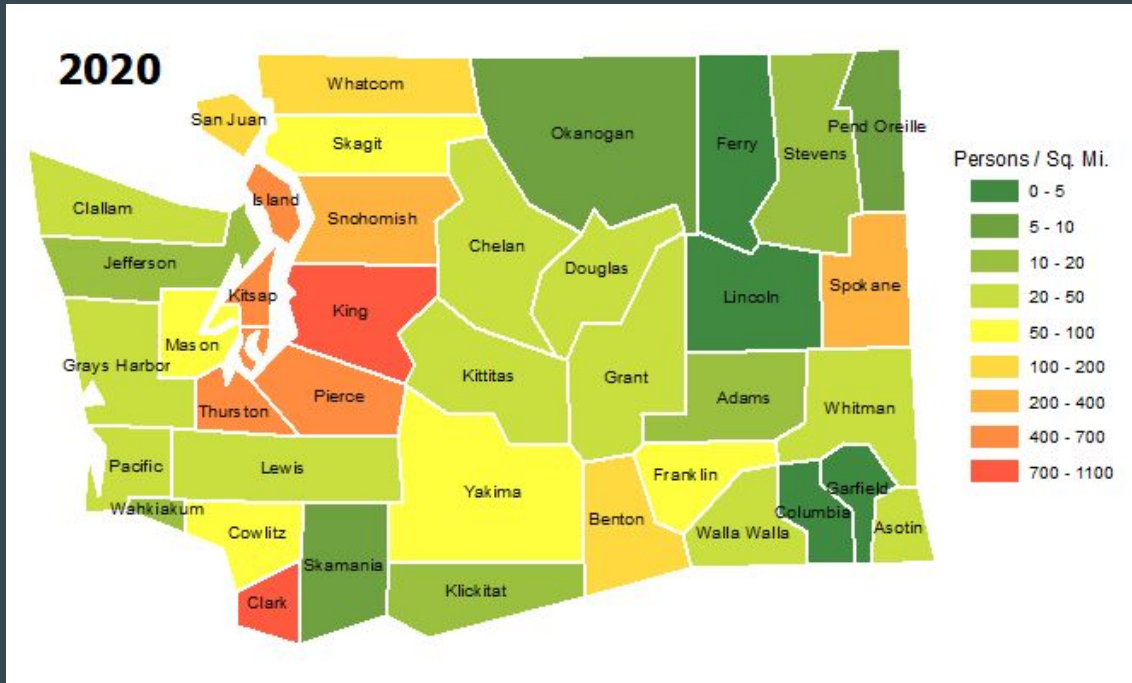
Electric Range by Model Year



Electric Range by Model Year



Hypothesis: Are battery powered vehicles more popular in urban areas?

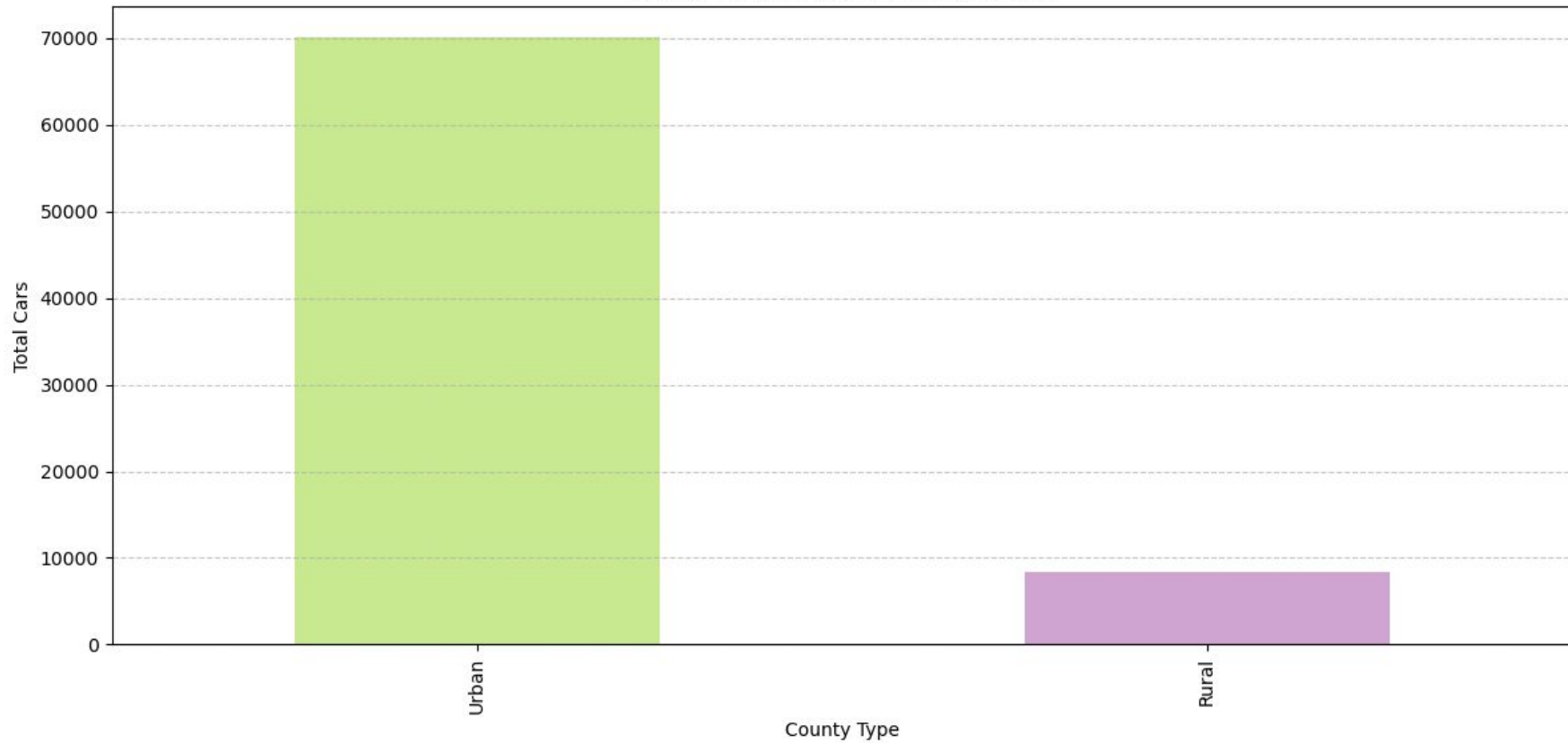


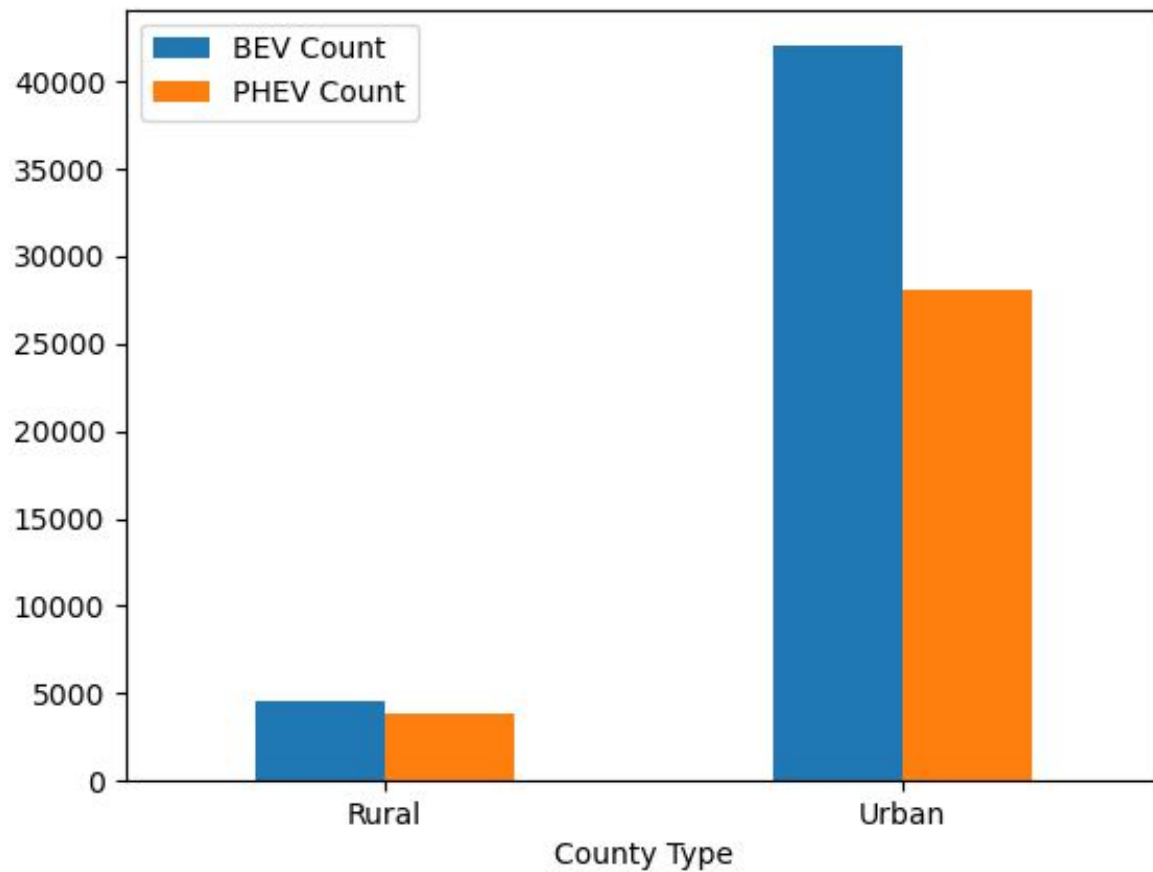
Population density by county 2020

Source:

<https://ofm.wa.gov/washington-data-research/population-demographics/population-estimates/population-density/population-density-county>

Electric Vehicles Based on County Type



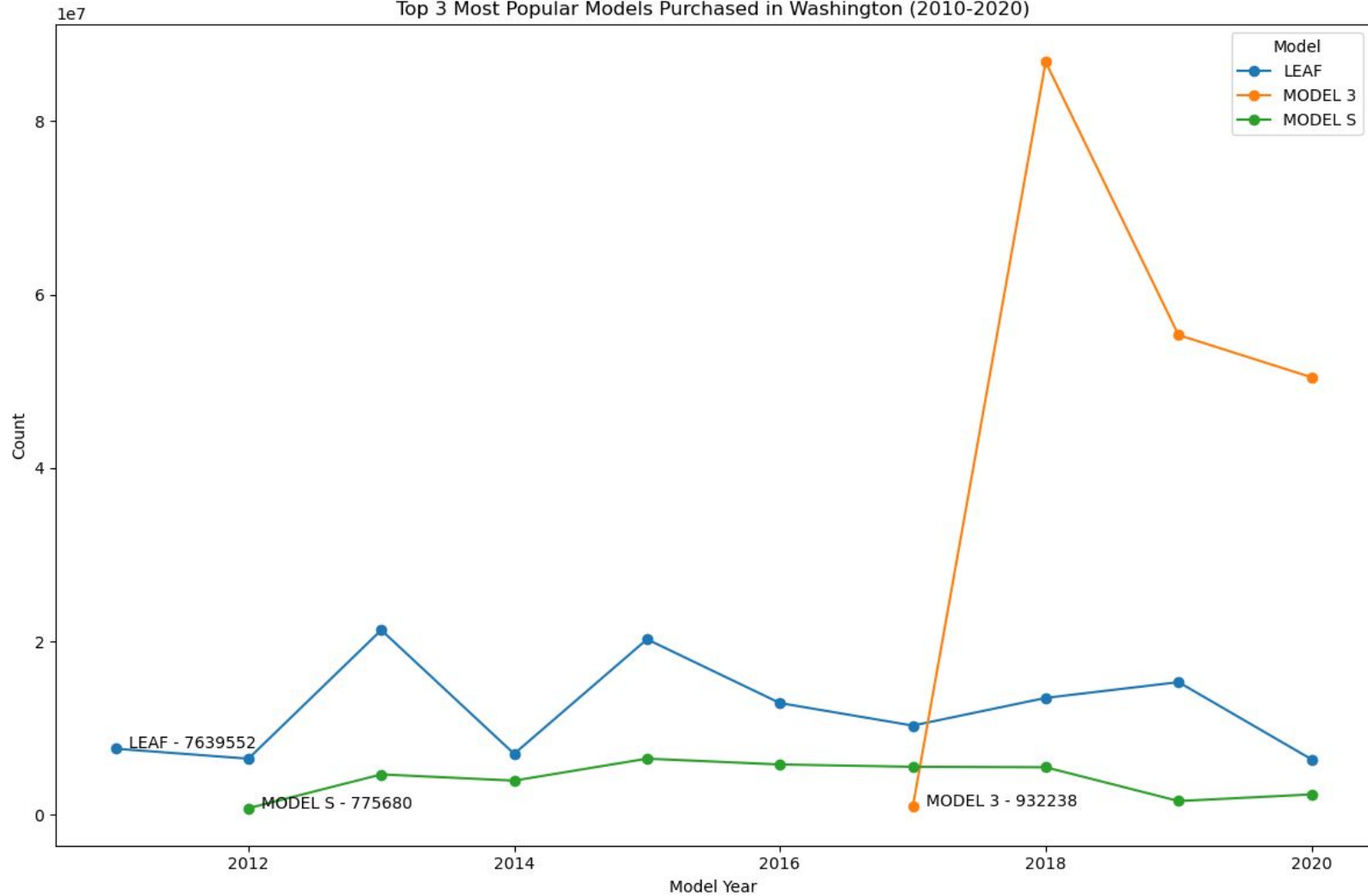


Analysis of Trends

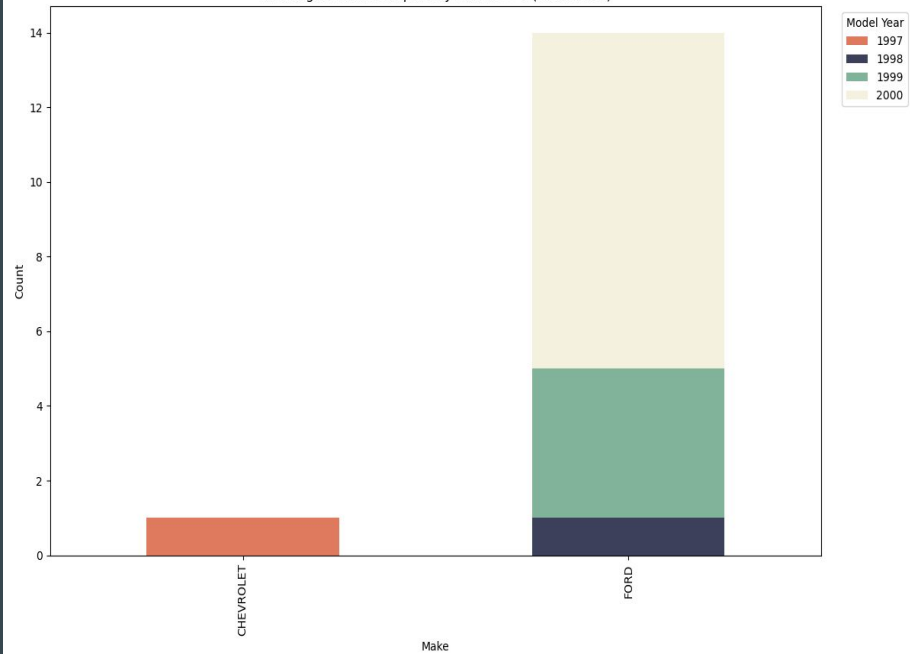
What is the most popular make and model?

Does this remain consistent over time or has it changed?

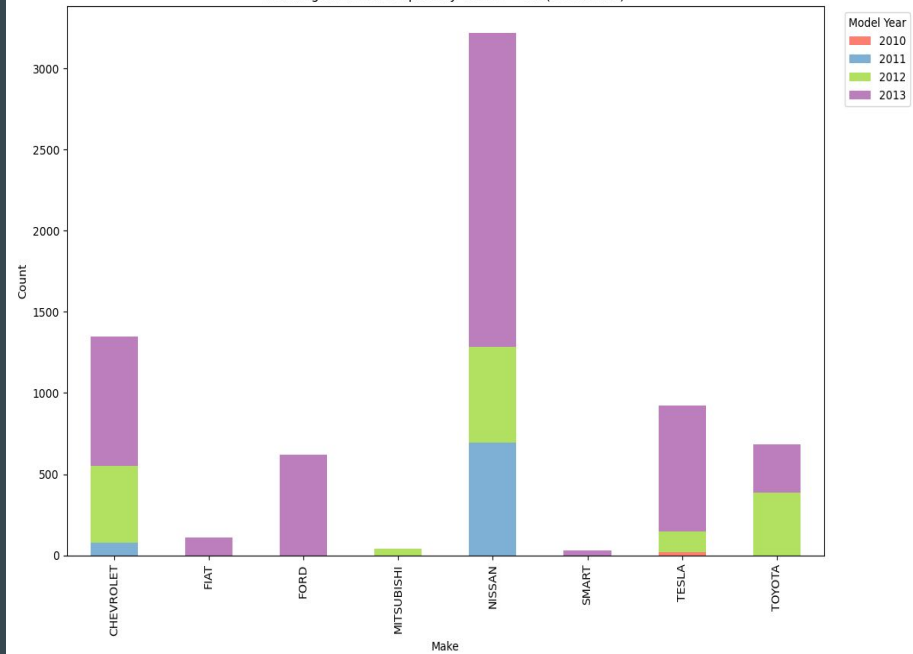
Top 3 Most Popular Models Purchased in Washington (2010-2020)

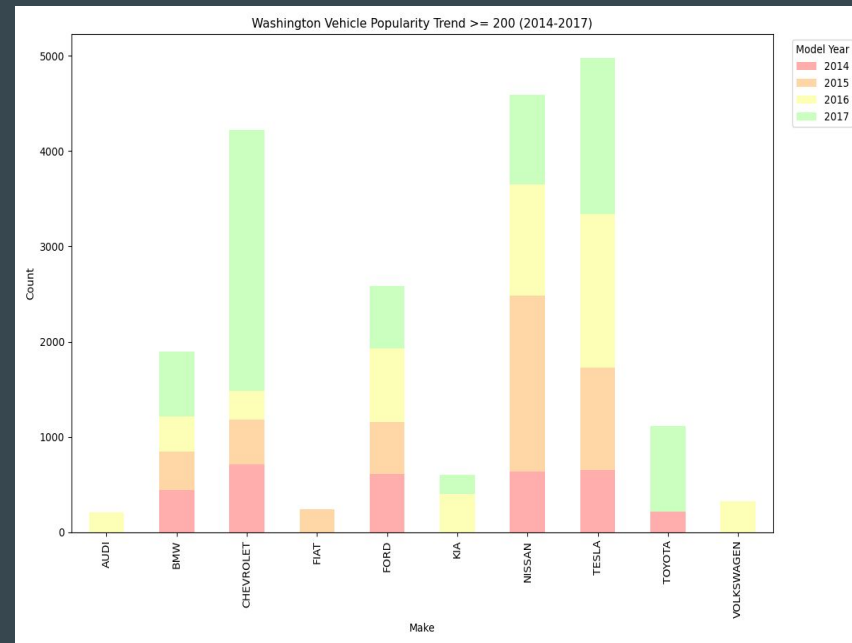
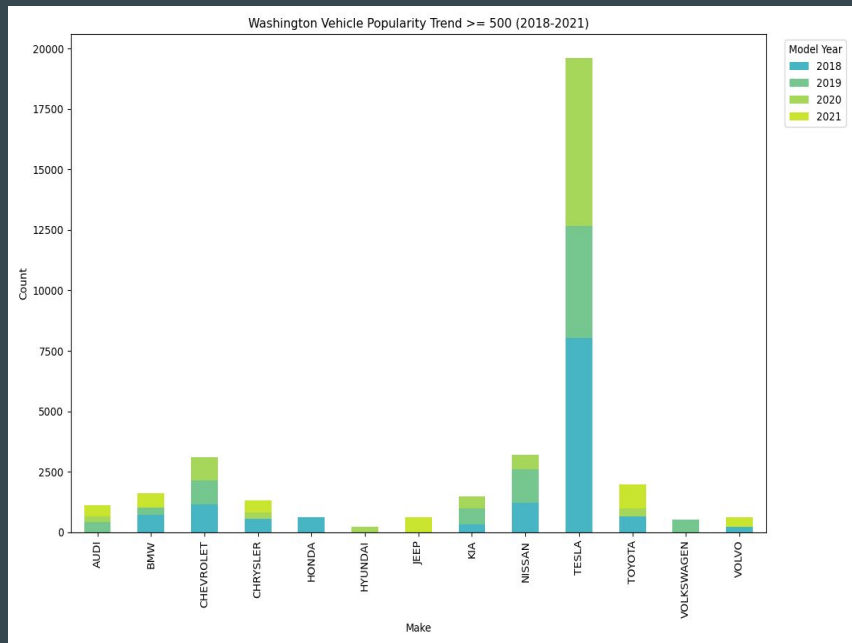


Washington Vehicle Popularity Trend ≥ 1 (1997-2000)



Washington Vehicle Popularity Trend ≥ 20 (2010-2013)





Questions?