Assessing Environmental Impacts

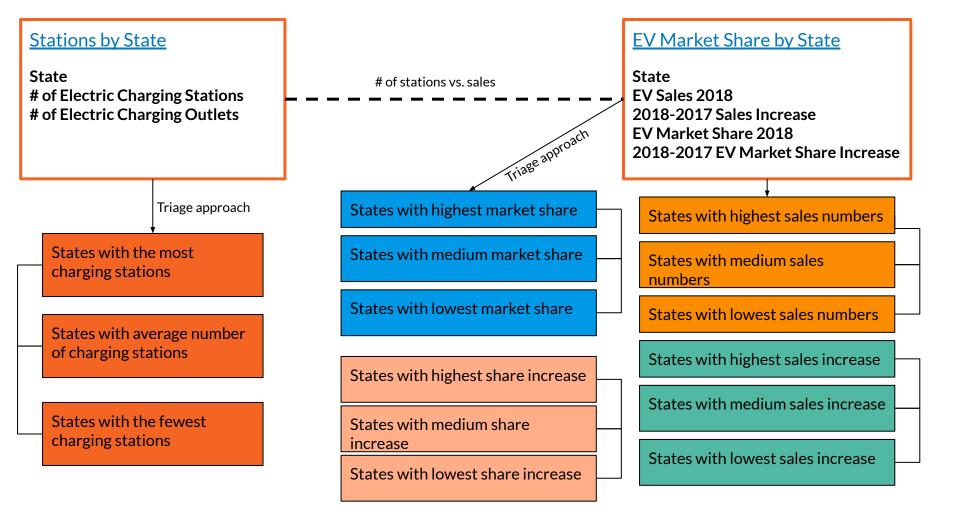
with Team Tree Huggers & Porsche

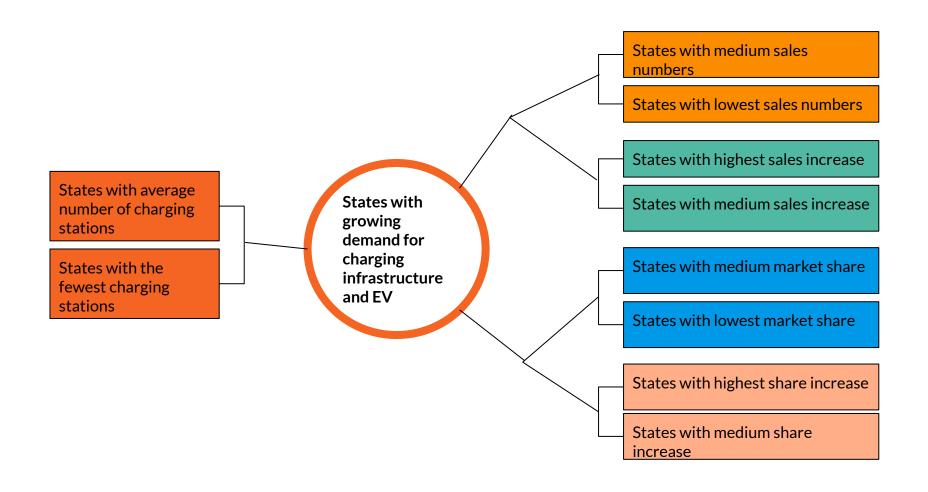
Identifying Opportunities for EV Growth

- What are the locations with demand for more EV charging infrastructure?
- What types of charging infrastructure are lacking or are popular in the locations of demand?
- What are the locations with demand for EV at the Porsche price level?
- Who are the consumers that live around these locations of demand?
- What are the preferred EV attributes for these consumers in these locations?

Charging Infrastructure for EV

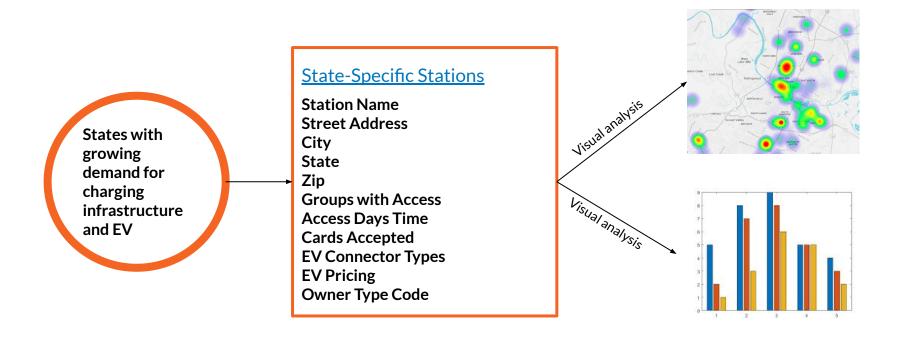
Where is the demand?





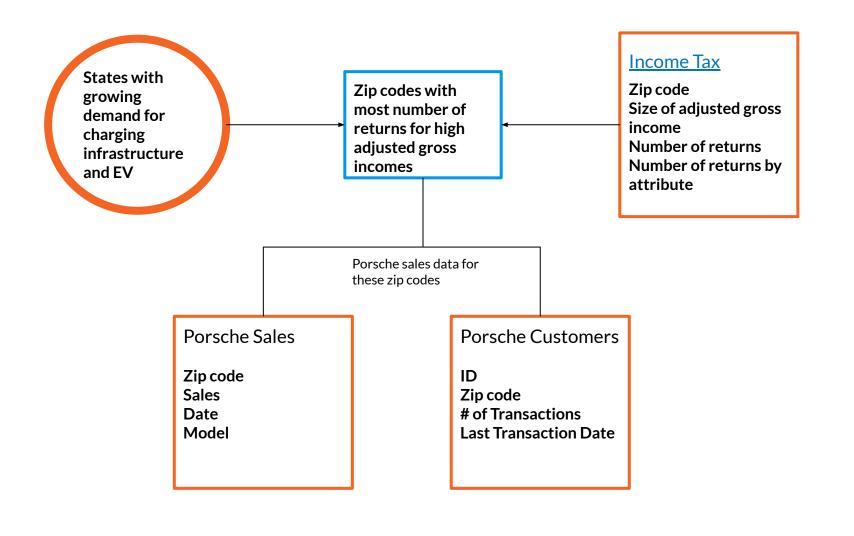
Charging Infrastructure for EV

What types are needed?



Porsche's Electric Vehicle Offering

Where?



Porsche's Electric Vehicle Offering

To whom?

Zip codes of growing demand for EV with most number of returns for high adjusted gross incomes

filter

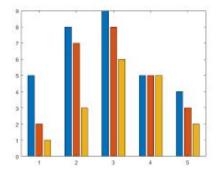
Demographics by Zip Code

Zip Code Percent for each demographic attribute (male, female,)

Porsche Customers

ID
Zip code
of Transactions
Last Transaction Date
Gender
Nationality
Ethnicity
Profession

Visual analysis of demographics



Porsche's Electric Vehicle Offering

What vehicle attributes?

EV Sales by Model Porsche and EV attributes of Vehicle growing demand 2011-2017 Sales Sales Total 2017-2016 Sales Increase Porsche Sales 2017-2011 Sales Increase **Attributes** Model of EV with Date highest 2011-2018 Sales growth in 2018-2017 Sales Increase demand 2018-2011 Sales Increase Vehicle Attributes by Sales Total Model Vehicle Attribute Attributes of Porsche vehicles with Vehicle Attributes by highest Model growth in demand Vehicle

Attribute

Summary

Where to go?

- States with growing demand for EV and charging infrastructure
- Zip codes in these states with high gross incomes

Whom to talk to?

- Consumers with higher adjusted gross incomes
- Demographic statistics in the zip codes with growing EV demand

What to do?

- Station attributes in the states with growing EV demand
- Attributes of electric and Porsche vehicles in growing demand