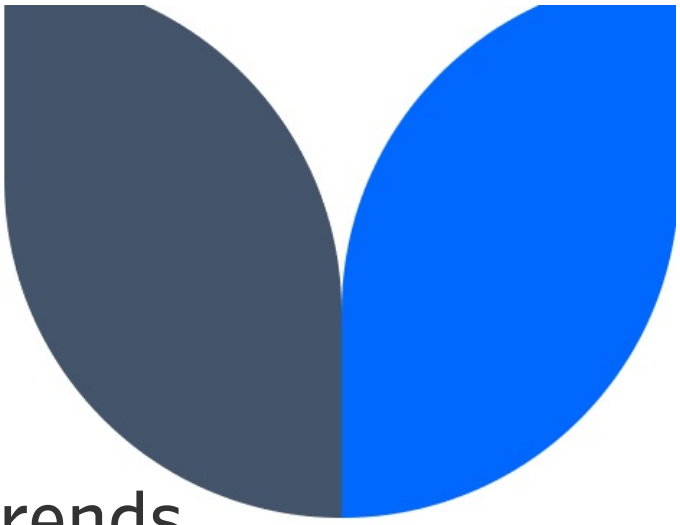
EV in WA

Title	Goals	Process	Population	Outlook	Map	Model	C ..



Electric Vehicle (EV) Trends in Washington State (WA)

Zoey Kim, Sean Jeong

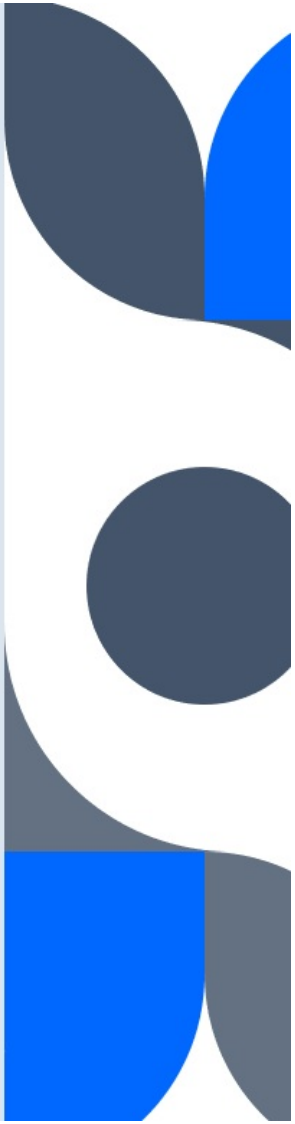
EV in WA

Project Goal

Through analyzing the current landscape, future trends, and EV - charger relationships, we identify **possible target locations to increase EV chargers**

Key Questions

1) What is the current EV outlook in WA?
2) How do EVs compare to chargers per location?
3) How to determine which areas need more chargers?



EV in WA

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EV in WA

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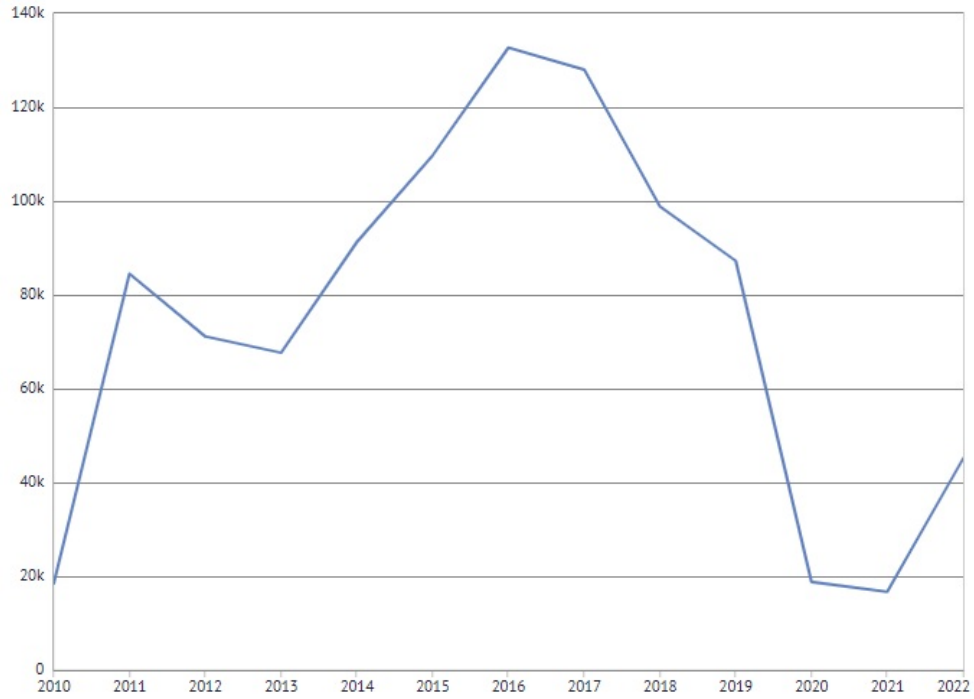
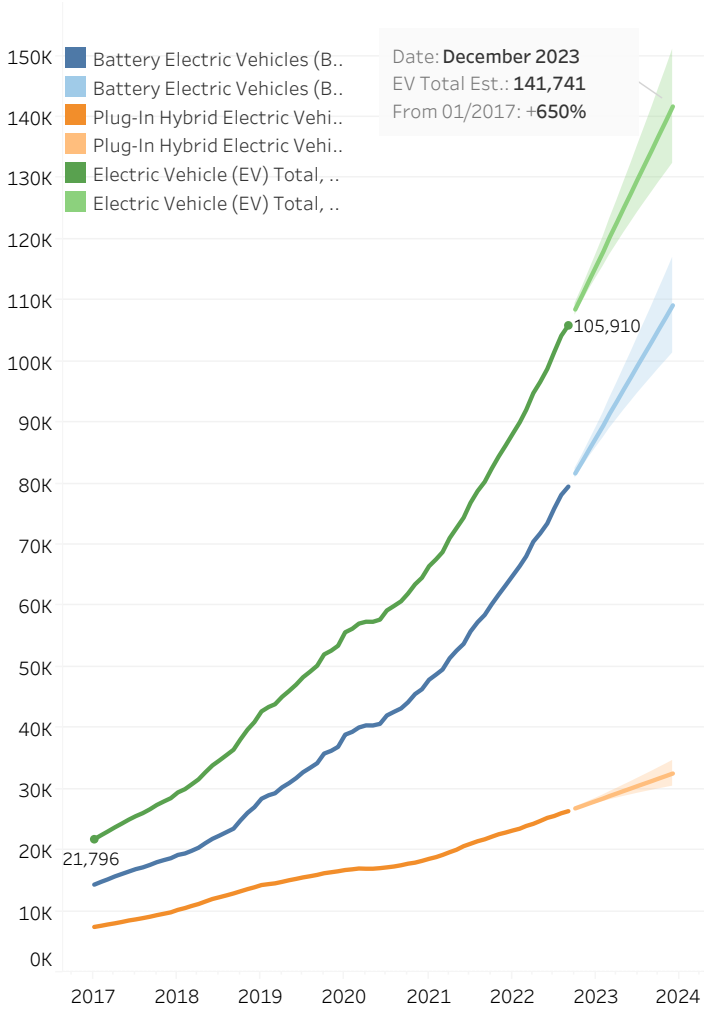
Population Growth in WA



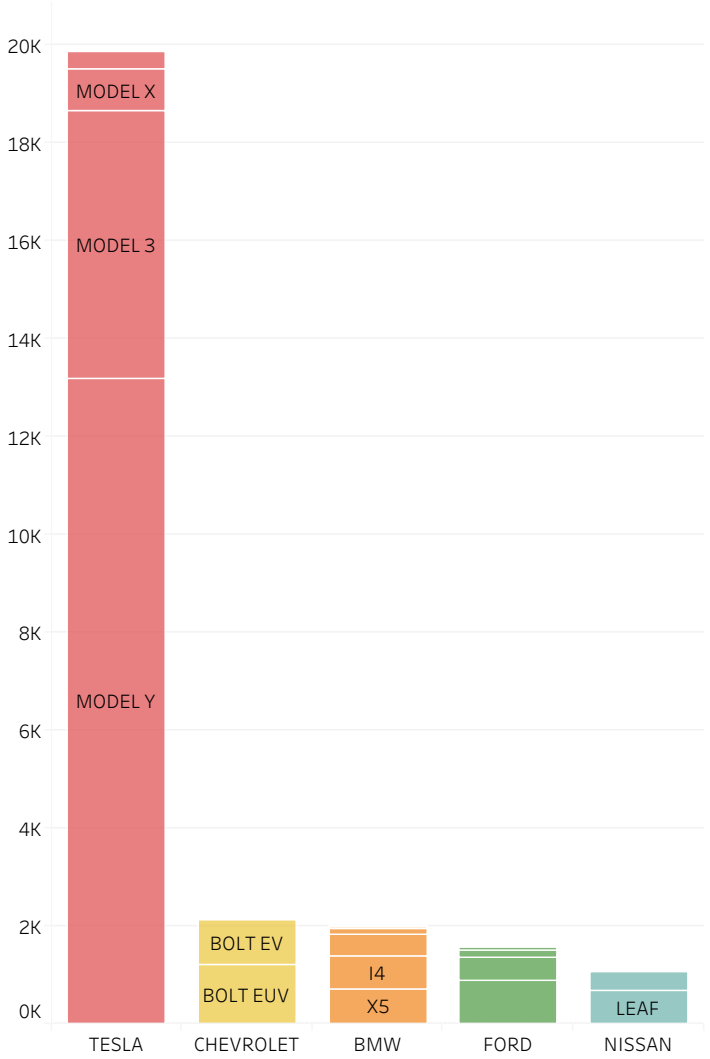
EV in WA

Ti .. | Goals | Process | Population | **Outlook** | Map | Model | Conclusion

EV Trends by Year

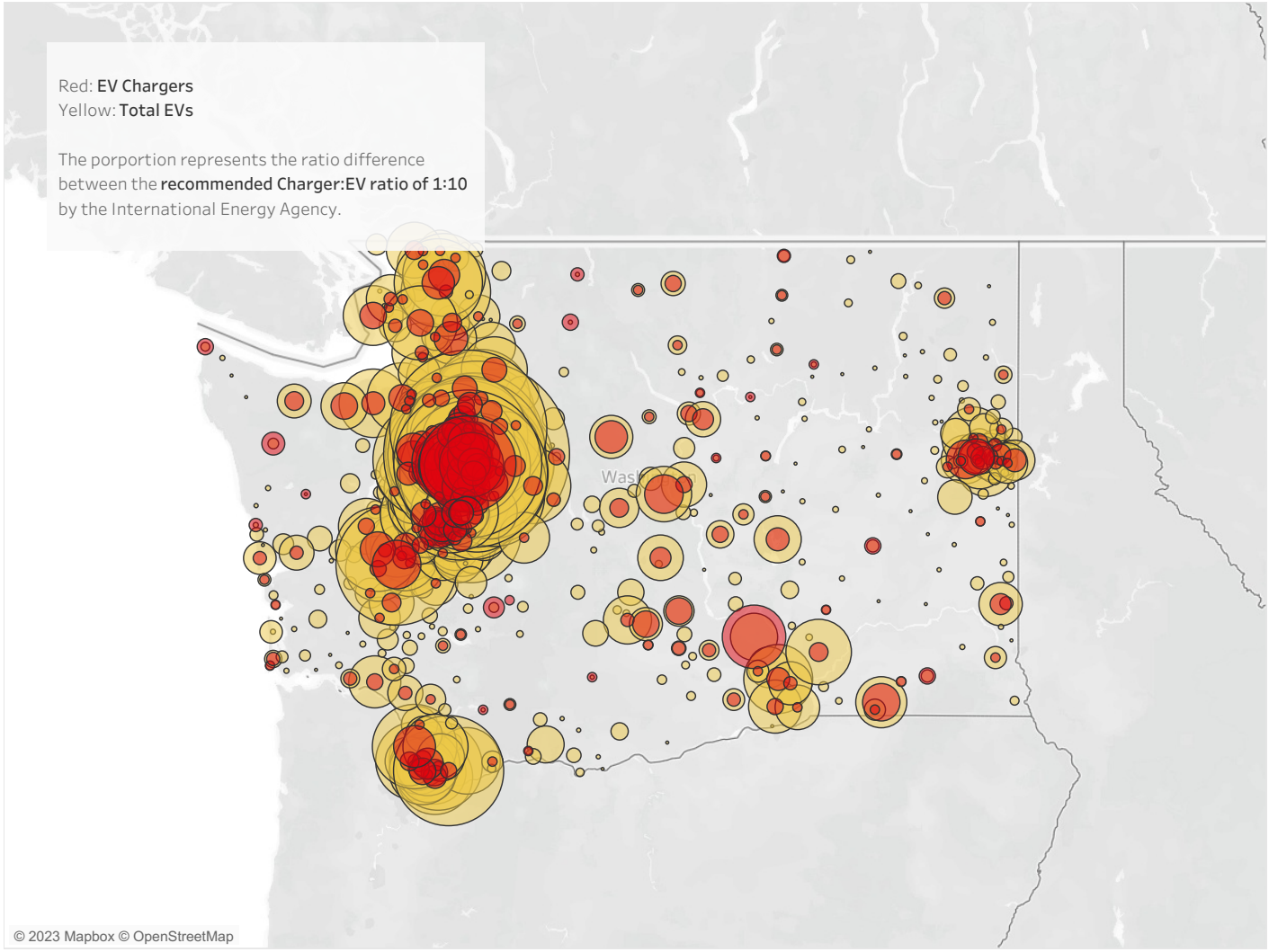


2023 EV by Company



EV in WA

Chargers, EV Map

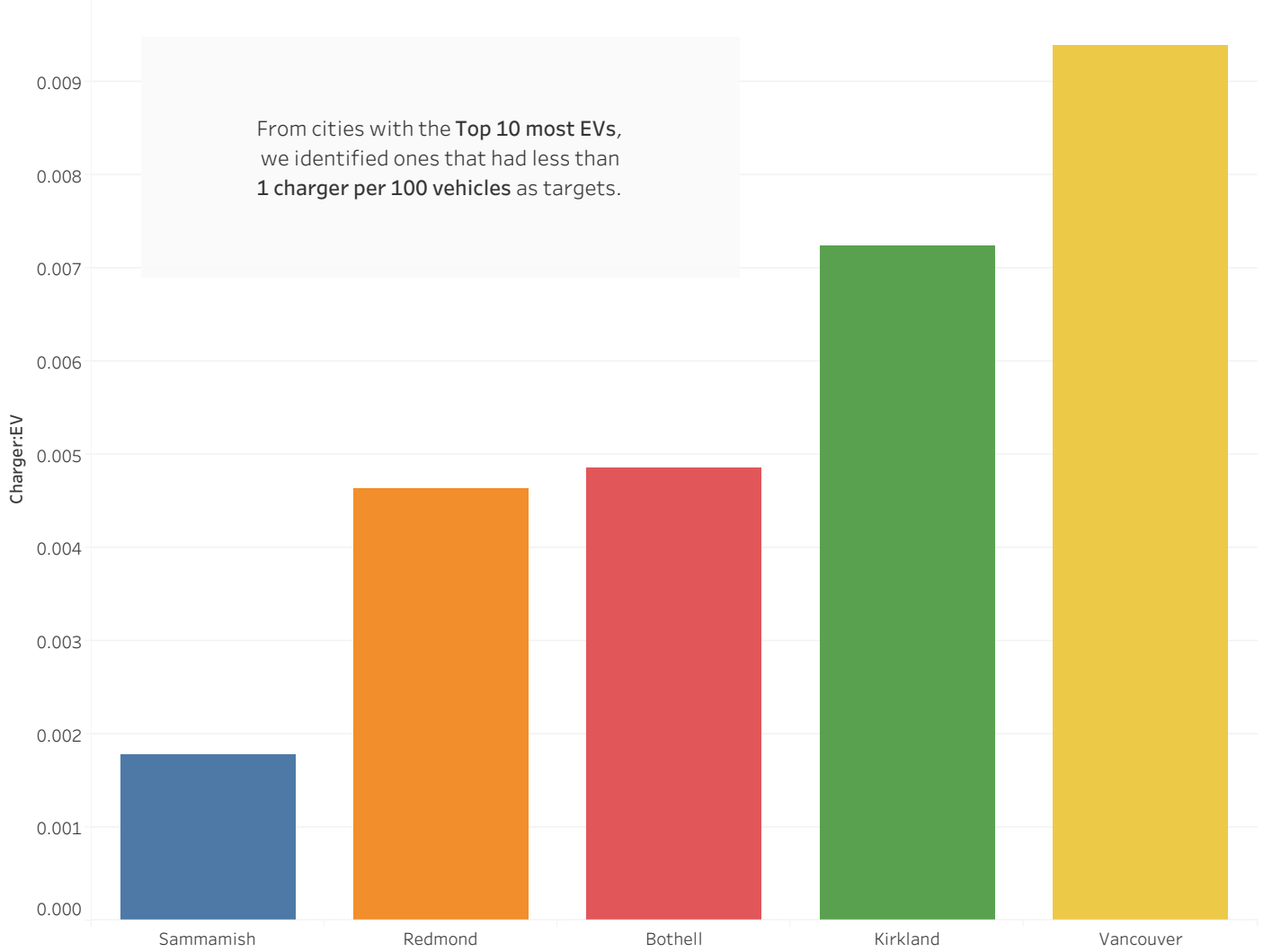


EV in WA

Ti ... | Goals | Process | Population | Outlook | Map | **Model** | Conclusion

Target Cities

Top Targets
10



EV in WA

Conclusions

- **Sammamish** is the current focus for EV charger demand (1.7 chargers/1000 EV)
- Model suggests that income, sex, age doesn't impact total EV ownership, **only population**
- Focus on **superchargers** to cater towards Telsa, the most popular EV models.

Challenges

- Searching for APIs, data sets that fit the desire topics
- Developing relationships between different data sources (age, gender, vehicles)
- Coordinating same data files between partners

Improvements

- Using a variety of parameters to improve model fit
- Working on EDA process with python to find more pattern between datasets
- Having more updated, specific data sets to see if results would..