

ELECTRIC VEHICLE CHARGING TRENDS

PYTHON

PANDAS
MATPLOTLIB
SEABORN

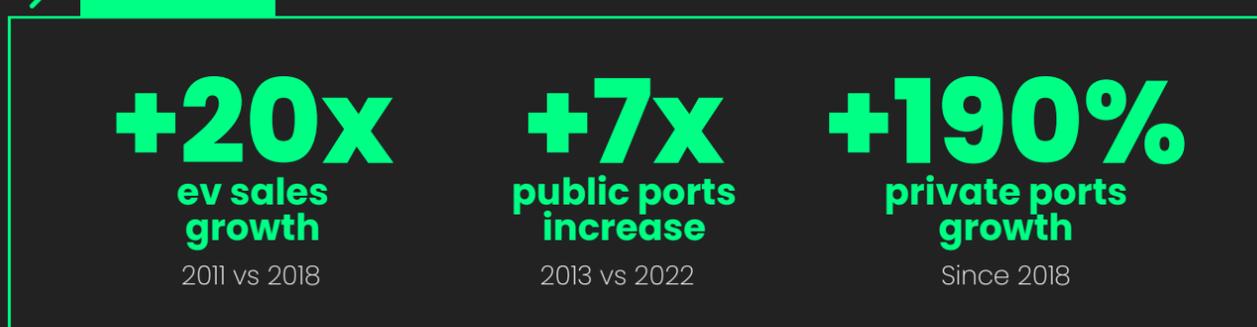
→ GOALS

-  EV Market & Charging Data Exploration **1**
-  Strategic Insights on EV Charging Infrastructure **2**

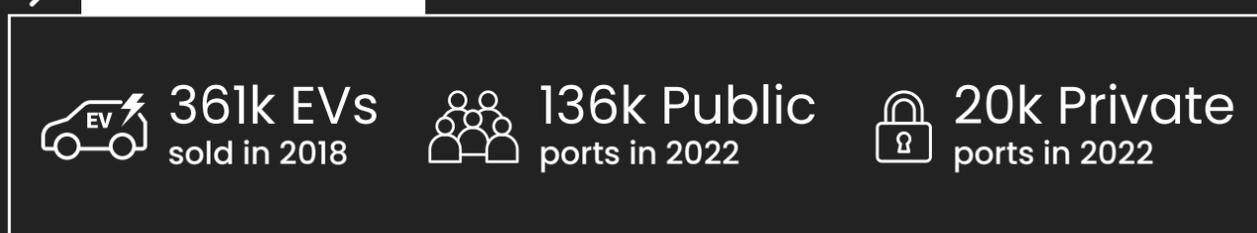
Goals

The analysis highlights strong growth in EV sales and infrastructure, uncovering trends and outliers that support smarter planning. These insights exceed initial goals and provide a valuable foundation for future data-driven mobility strategies.

→ RESULTS



→ TOP STATISTICS



FOCUS ON 2018 VS 2019 DATA



→ TOP 5 VEHICLE MODELS SOLD

#1	TESLA MODEL 3	296k
#2	TESLA MODEL S	162k
#3	CHEVY VOLT	157k
#4	NISSAN LEAF	142k
#5	PRIUS PHEV	117k

1. EV Surge Driven by Demand & Innovation

EV sales skyrocketed 20x from 2011 to 2018, peaking at over 360k units — fueled by growing consumer interest, policy support, and Tesla's dominance with top-selling models like the Model 3.

2. Infrastructure Expands, but Public Leads

Charging stations grew in response to rising EV adoption — public ports saw a 6x increase by 2022, outpacing slower private growth, indicating strong public investment but lingering infrastructure gaps.



Electric Vehicle

Data-backed guidance to shape a future where electric mobility and infrastructure grow together.

NEXT STEPS

- #1 Continue scaling EV infrastructure
- #2 Analyze regional disparities in charging access
- #3 Monitor 2024–2025 EV market growth trends