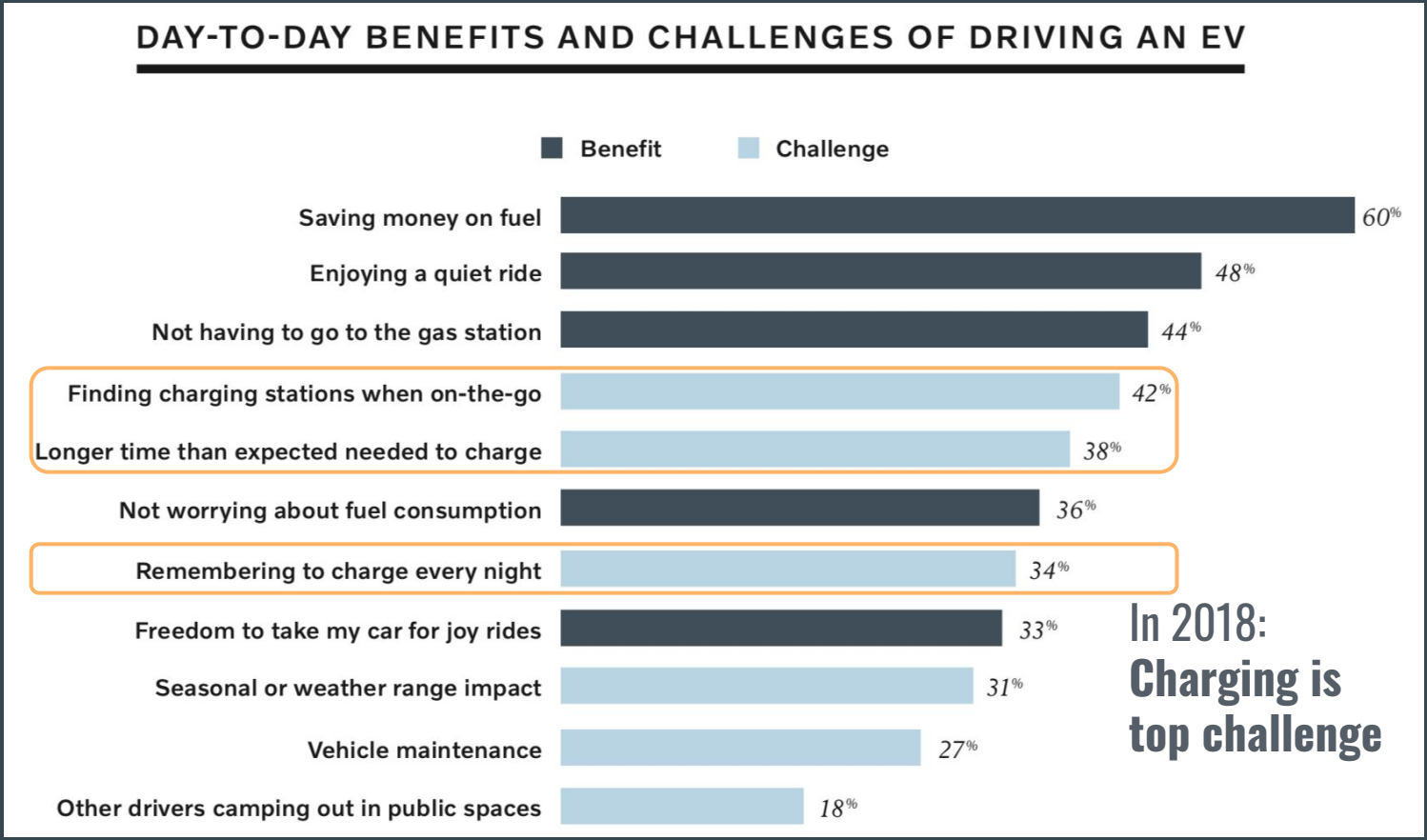
SF Chargers

Optimize EV charging for all

The Problem

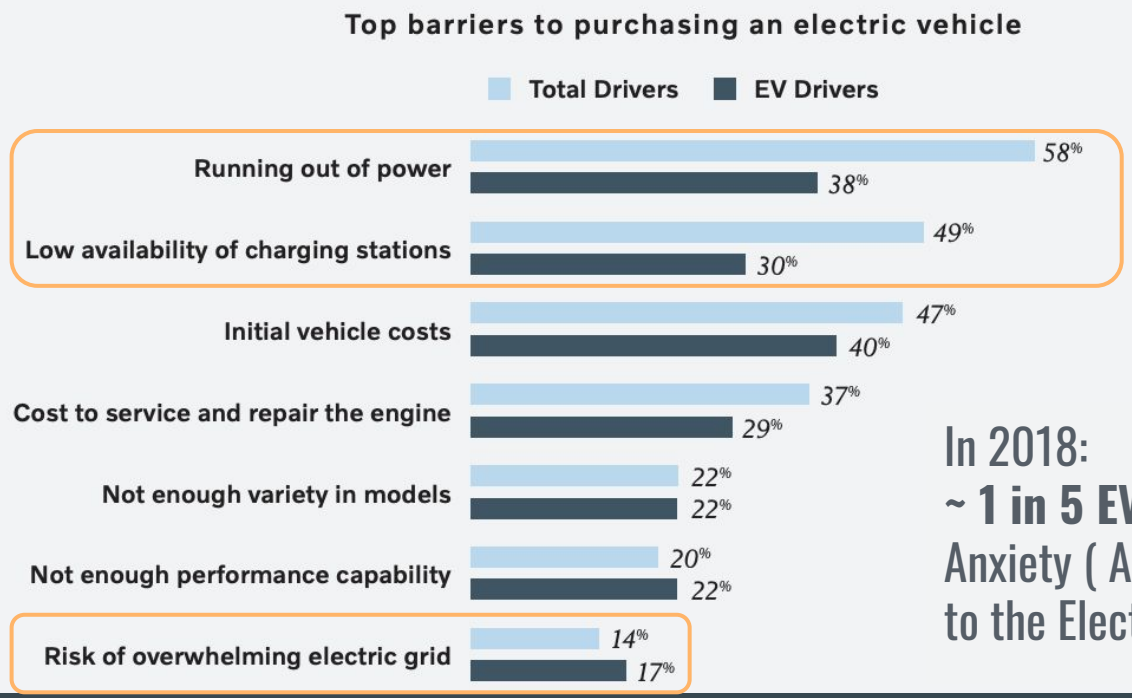



- To charge or not to charge?
- Where to charge?
- To inject power back to grid, Vehicle-to-Grid, V2G?



From Source: Volvo Car USA/The Harris Poll, THE STATE OF ELECTRIC VEHICLES IN AMERICA

RANGE ANXIETY IS LESS OF A CONCERN FOR EV DRIVERS, WHO ARE MORE FOCUSED ON PRICE

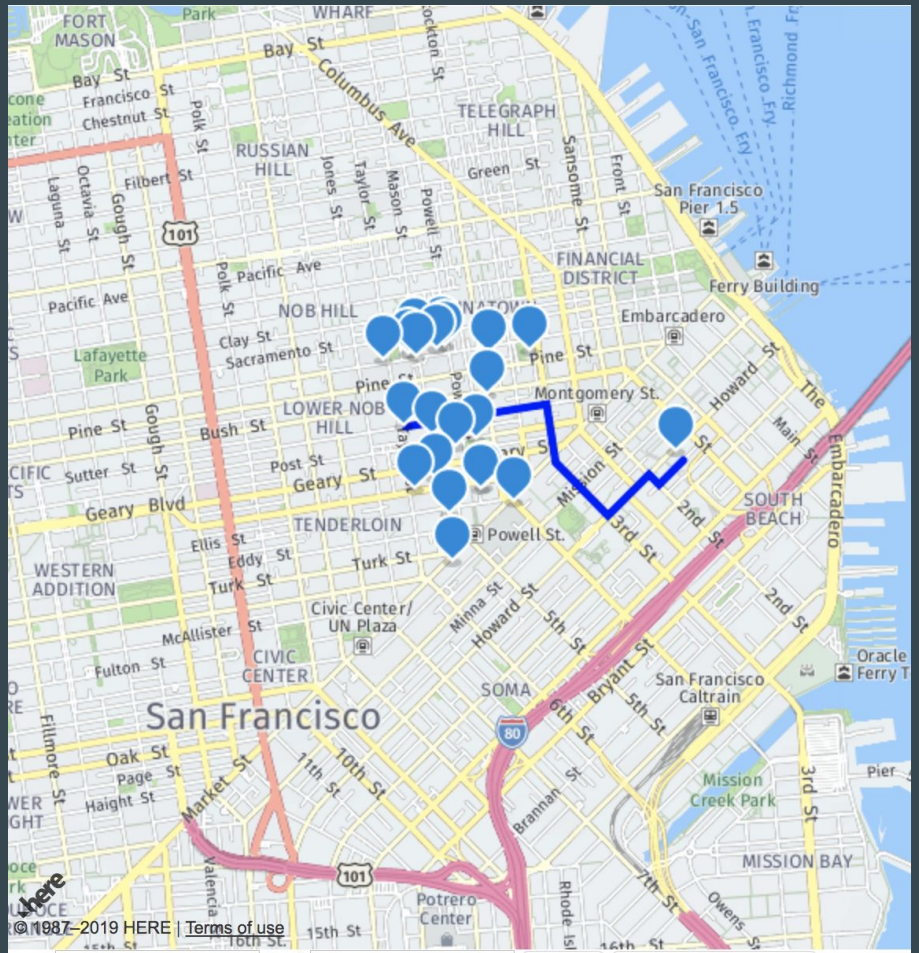


In 2018:
~ 1 in 5 EV Drivers
Anxiety (Awareness)
to the Electric grid

From Source: Volvo Car USA/The Harris Poll, THE STATE OF ELECTRIC VEHICLES IN AMERICA

The Solution

- Platform that recommends efficient EV charging options with impact score
- Charge State: Informed decision to charge/not
- EV charging options: charging efficiency, grid impact considerations, V2G pricing



start 44 Tehama St. San Fran end 683 Sutter St. San Franc Submit Get Charging Stations

Range Left 194.78

DEMO

Summary

Inspiration: EV charge impact unclear to EV owners

What it does: Platform that recommends efficient EV charging options with impact score

How we built it: Python & JavaScript in Flask

- with Smartcar APIs
- with HERE Map, Geocoder APIs
- with Alternative Fuel Data from U.S Department of Energy

Challenges we ran into: New APIs + Scope creep

The Team

Gabriela Gerson - Musical Hacker

Marcy Reyes - Financial Hacker

Mena Adams - Social Hacker

Tanny Ng - Product Hacker

Accomplishments: 75% first time hackers!

What we learned: New APIs