

Tesla Supercharger Global Locations



ABOUT OUR GROUP



MRUNMAI GADBAIL

I have an incredible ability to find joy in the little things.

GitHub



STEVEN MADDEN

Steven J Madden is a comedy performer, fight choreographer, trained stuntman, and former gym owner.

GitHub



ALEX REID

Alex Reid enjoys using data to make informed decisions.

GitHub



AMBER VENES

My name is Amber Venes and I love my cats and dogs.

GitHub

What is our data?

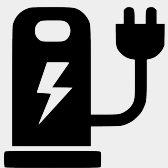
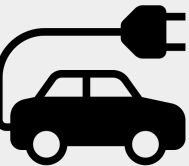
Our data shows the progression of Tesla superchargers over the course of 11 years (2012-2023) globally. The dataset provides the exact locations (latitude and longitude), kW, and the number of stalls.

- Number of Stalls
- Location
- kW

Why did we pick it?

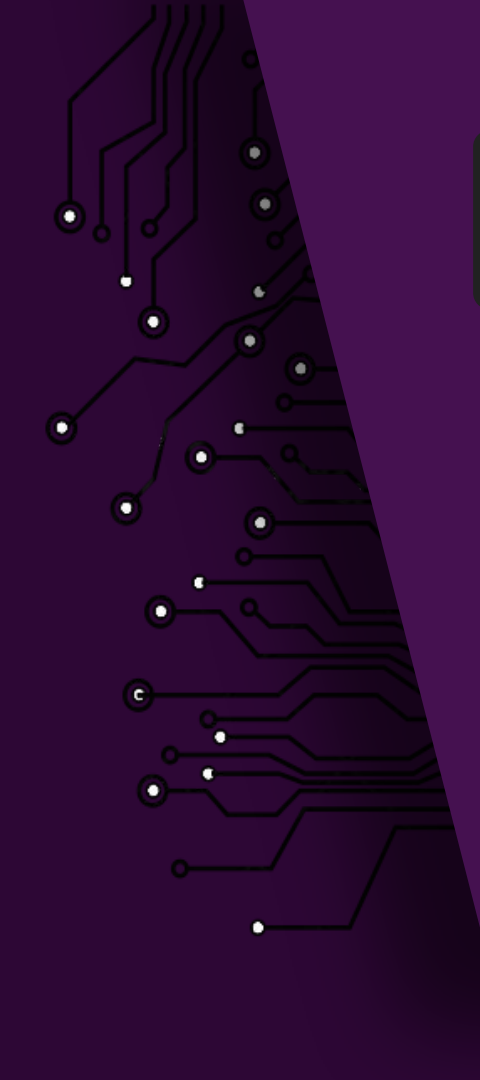
We chose this dataset because Tesla is a rapidly expanding tech company with significant global influence. Its growth through its Supercharger network and their location is a good example of their progress.

- Usability rating
- Size of data
- Tesla is Growing



- Very minimal cleaning
 - Splitting columns
 - Dropped null values
 - Data type changes
- Data Visualizations
 - Sunburst
 - Heatmap

<https://www.kaggle.com/datasets/omarsobhy14/supercharge-locations>



1. Where is the best place to own a Tesla based on charger location?

2. What areas should you avoid owning a Tesla?

3. What areas have the most/least growth of charger locations?



[https://mrunmaigadbail
.pythonanywhere.com/](https://mrunmaigadbail.pythonanywhere.com/)



Conclusion

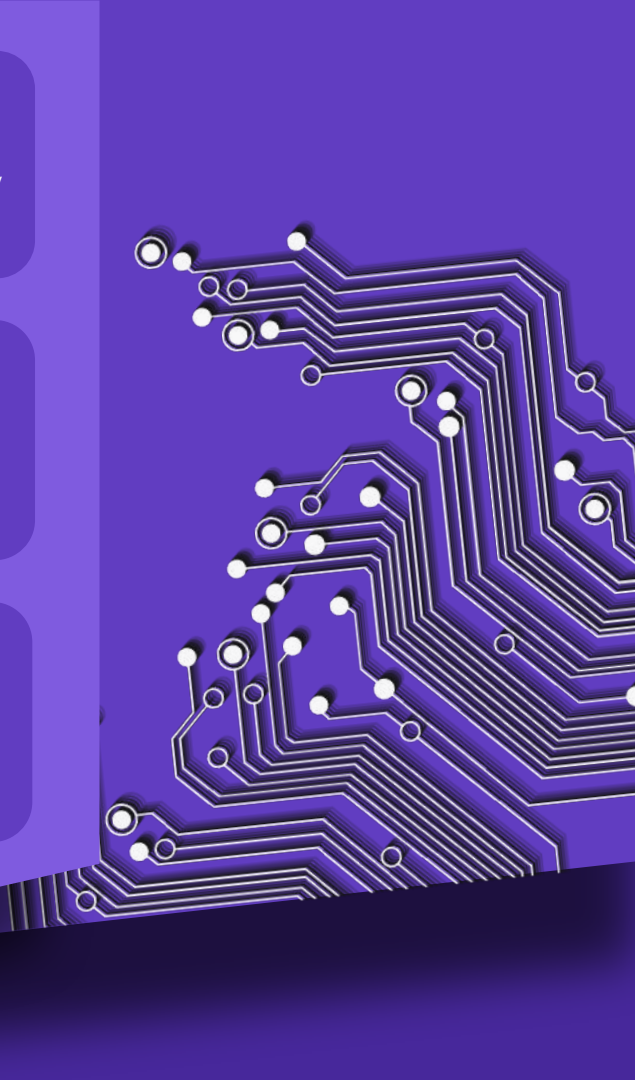
Tesla has maintained a steady growth rate and has expanded significantly over the past few years. Tesla Superchargers are more likely to be found in higher-income areas, lower elevations, and moderate temperatures.

Limitations/Bias

Economic bias (more likely to be in higher income areas, in countries more “developed”)
Geographical bias (unlikely to be at a high altitude area)

Future Work

There is information to be learned by looking at the relationship between altitude, number of stalls, and the average kW per stall. A linear progression could reveal possible future locations. However, Tesla just laid off the entire Supercharger division.



Thank You