

# Tableau Dashboard Documentation

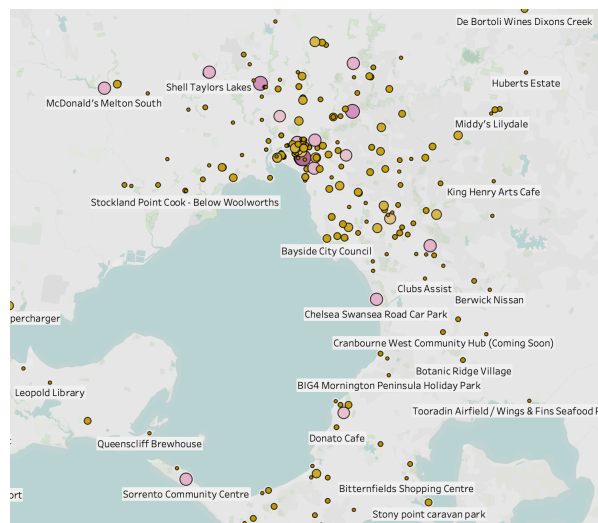
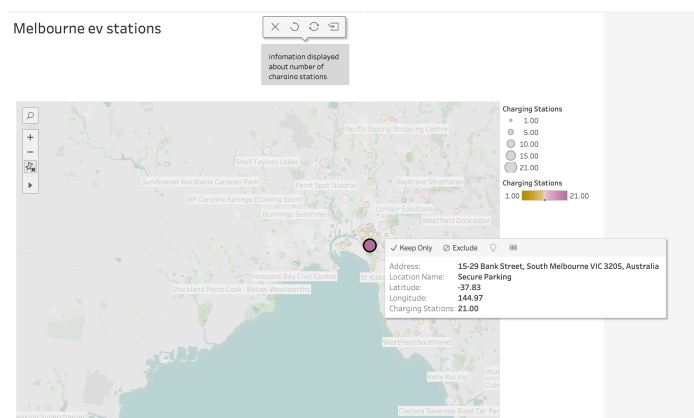
Dashboard Title: Melbourne EV Charging Stations Overview

Introduction:

This Tableau dashboard provides an overview of Electric Vehicle (EV) charging stations in Melbourne. It comprises four visualizations that offer insights into the distribution, amenities, power supply, and plug types available at these stations.

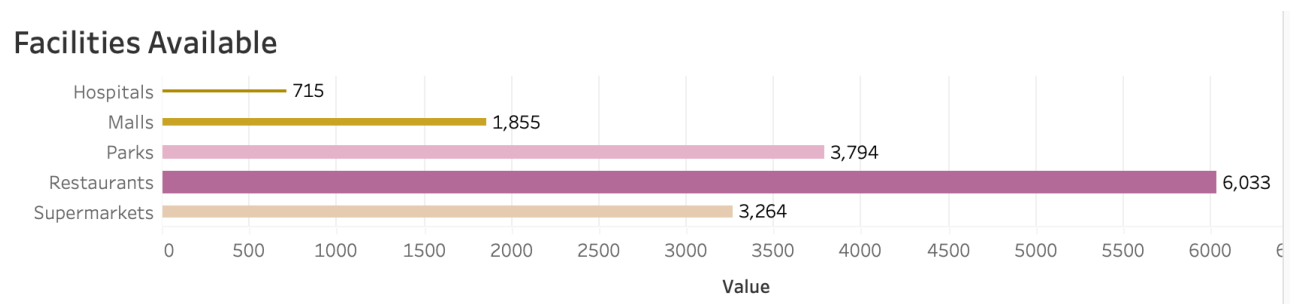
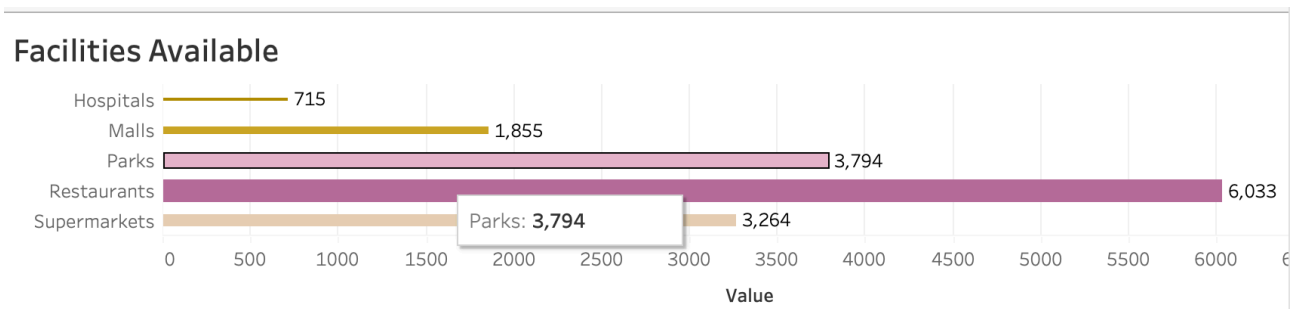
## Visualization 1: Geographical Map of Charging Stations

- **Description:** This map displays the location of EV charging stations in Melbourne using longitude and latitude coordinates. Each station is represented by a circle, with the size of the circle indicating the number of charging stations at that location. Larger circles represent higher numbers of charging stations.
- Usage Instructions:
  - Use the zoom and pan features to explore specific areas of Melbourne.
  - Hover over the circles to view additional information about each charging station, such as the exact address and the number of charging stations available.



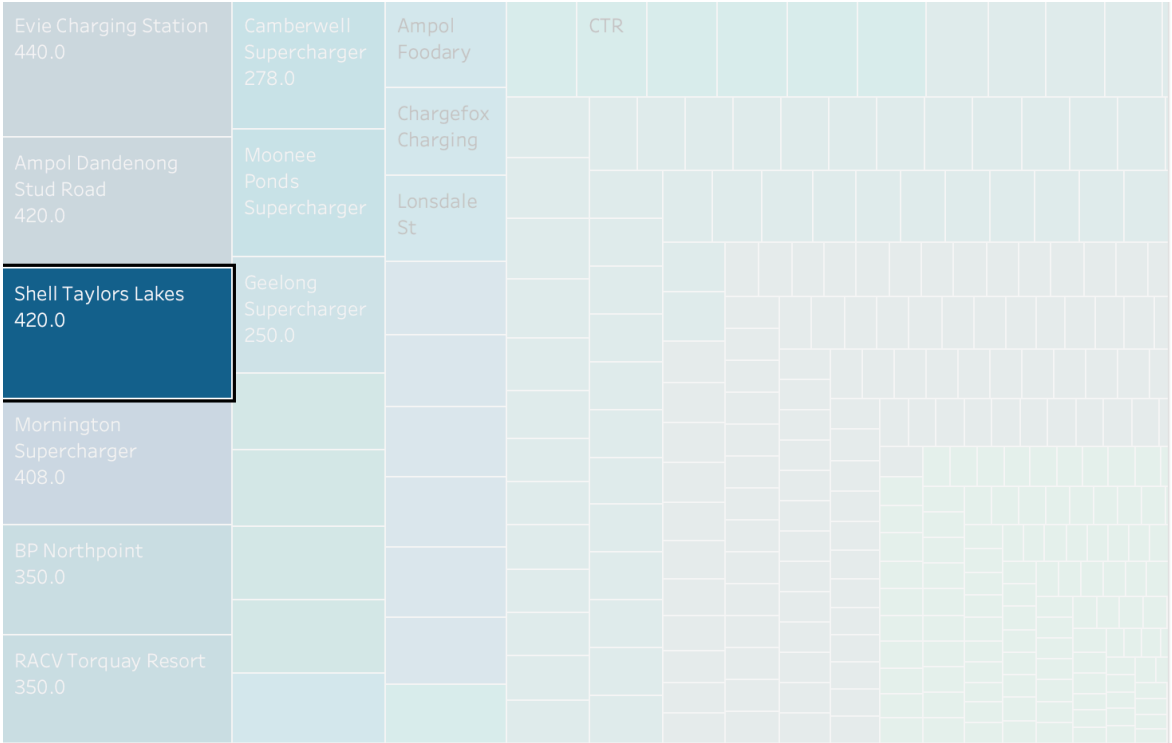
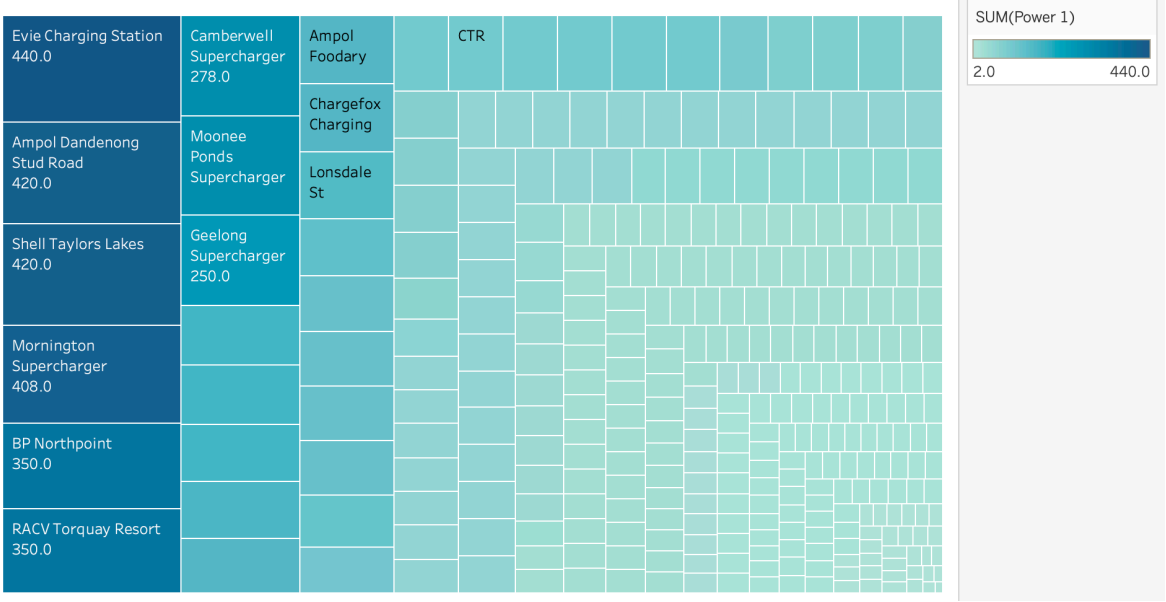
## Visualization 2: Facilities near Charging Stations (Horizontal Bar Graph)

- **Description:** This horizontal bar graph illustrates the availability of essential facilities near the EV charging stations. It includes categories such as hospitals, malls, parks, restaurants, and supermarkets. The length of each bar corresponds to the quantity of each facility type, and the color intensity varies with the quantity.
- Usage Instructions:
  - Observe the lengths and colors of the bars to quickly assess the availability of facilities near charging stations.
  - Hover over each bar to see the exact quantity of facilities.



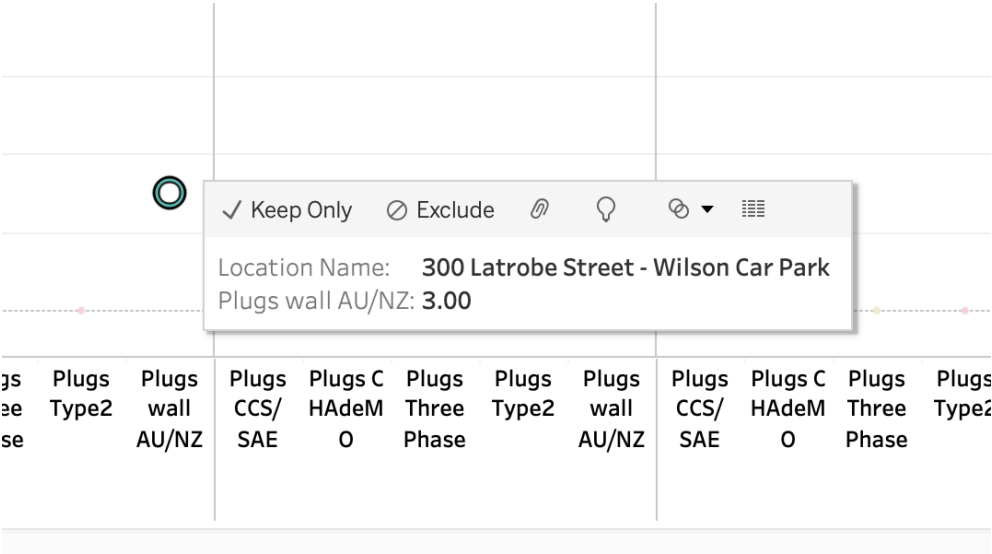
## Visualization 3: Power Supply at Charging Stations (Treemap)

- **Description:** This treemap provides an overview of the power supply options available at the charging stations. Each block within the treemap represents the amount of power supply, and the size of the block is proportional to the amount of supply to the station.
- Usage Instructions:
  - Use the treemap to quickly identify the most prevalent power supply options in Melbourne.
  - Hover over each block to view specific details, stations offering what amount of supply.

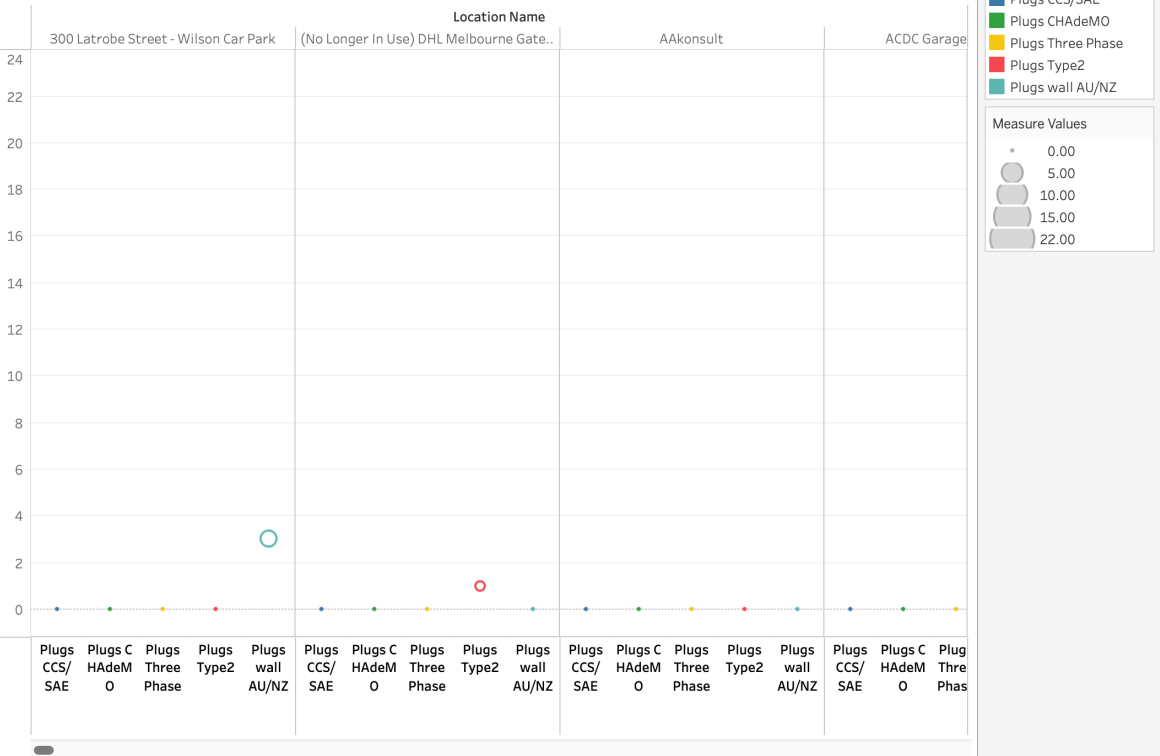


Visualization 4: Plug Types at Charging Stations (Side-by-Side Circles)

- Description:** This visualization uses side-by-side circles to represent the number and types of plugs available at each charging station. Each circle represents a plug type, and the size of the circle corresponds to the number of charging stations offering that plug type.
- Usage Instructions:
  - Observe the sizes and colors of the circles to quickly assess the availability of plug types.
  - Hover over each circle to see details about the plug type and the number of stations offering it.

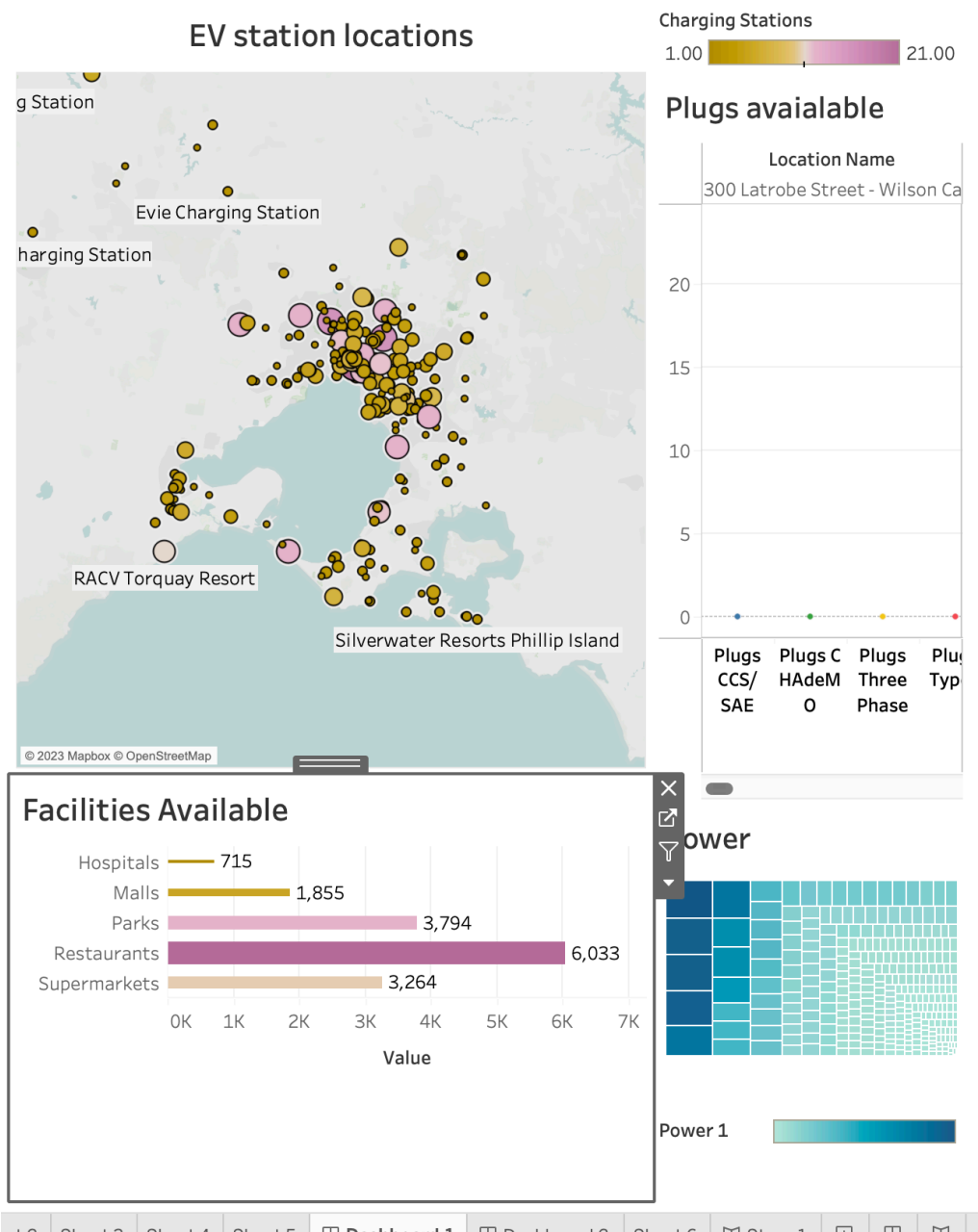


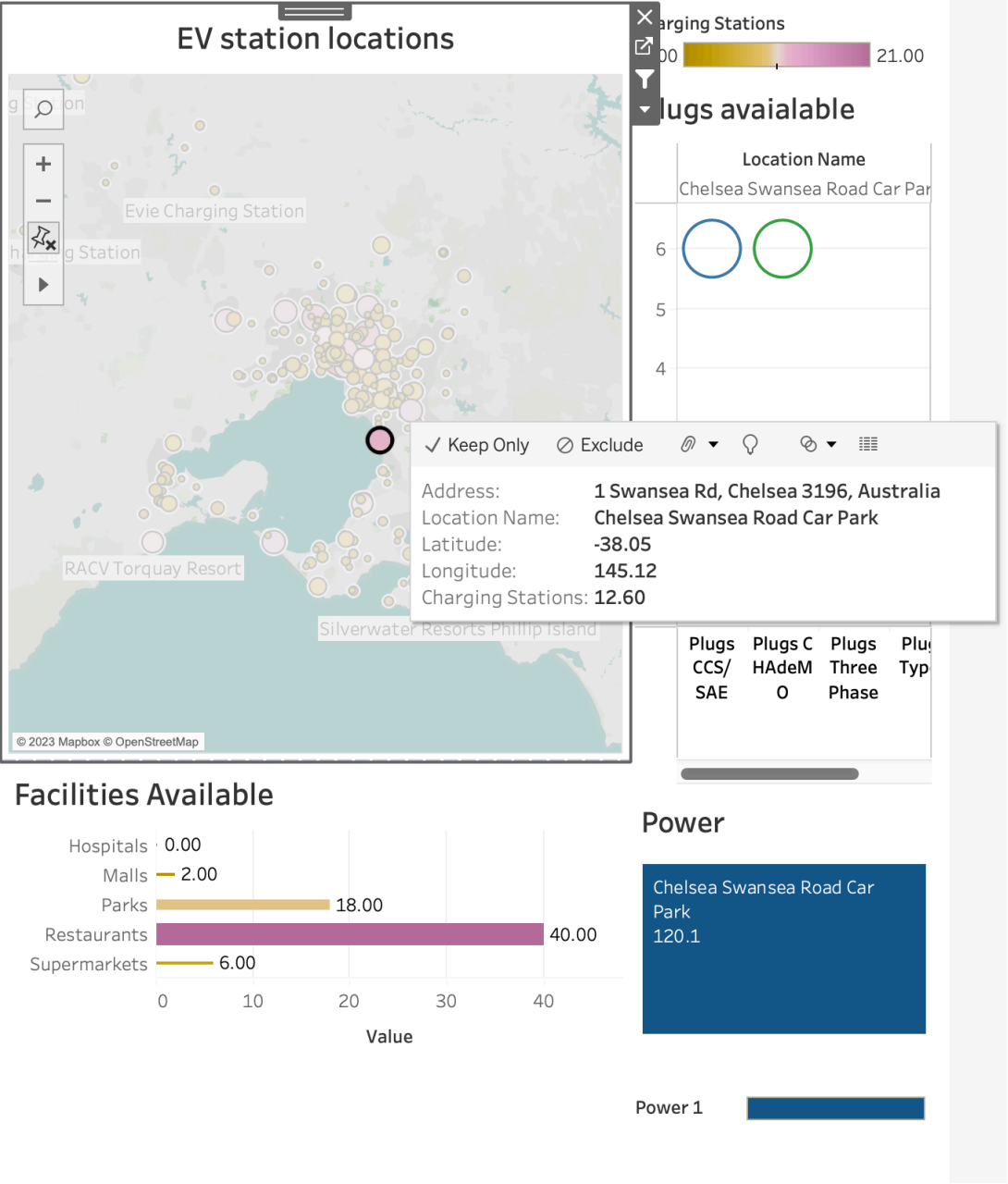
Plugs available



Conclusion:  
This Tableau dashboard provides a comprehensive view of EV charging stations in Melbourne, including their locations, nearby facilities, power supply options, and plug types. Use this information to make informed decisions about EV charging in the city.

Final dashboard look like this





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