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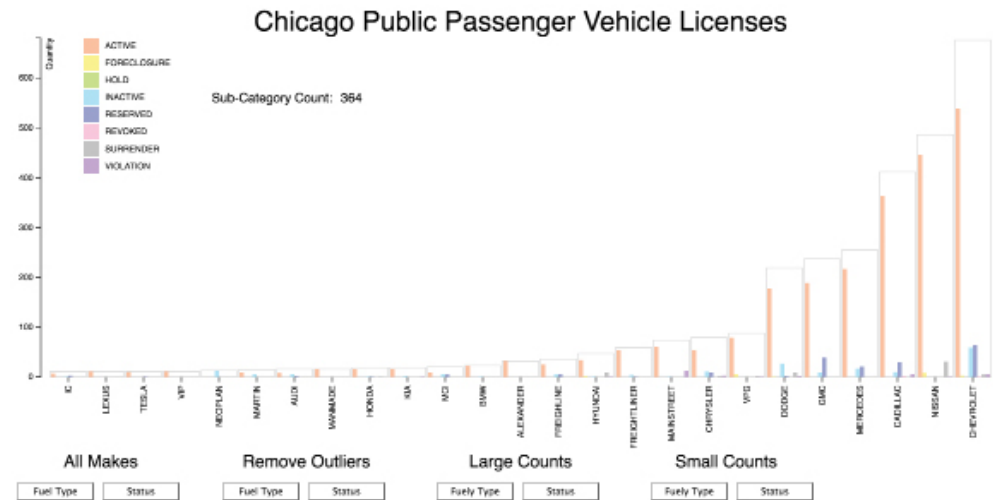Computer Scientist
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Chicago Public Passenger Vehicle Licenses
http://kbyko2.people.uic.edu/cs491proj2/group8#Thechart

Our project takes the data about public passenger vehicles licenses from the City of Chicago Data Portal and allows the user to view the different makes. It turns the data into a bar graph. There is also the option to view all of the makes, small counts, large counts, and with overly large and small counts removed. In addition, the user can view sub-categories of the fuel type each make uses or the status of the vehicles. The data was manipulated to remove the 127 records with no make. With over 11,500 records remaining, we did not feel this skewed the big picture.

We chose a bar graph because it is easy to digest and understand data in this manner. This makes it easy to compare the number of each make. We also chose to sort the data from smallest to largest for aesthetics; this also aids in reading the graph. We chose to have the sub-category grouped bar charts to make it more interesting. This also allows the user to see more information about the vehicles.

The dropdown motion of bars can draw viewers' attention and gives itself some animation as well. Usage of various colors on sub-category grouped bars helps viewers to understand what each bars represent more easily and quickly without confusion. Finally, we added tool tips for the sub-categories so when the mouse point is hovering over the sub-category bars, it also shows the actual counts on one side of page.

Data source: City of Chicago Data Portal
https://data.cityofchicago.org/Community-Economic-Development/Public-Passenger-Vehicle-Licenses/tfm3-3j95

Inspiration & References:
http://bl.ocks.org/mbostock/3887051
https://bl.ocks.org/mbostock/3886208
https://bl.ocks.org/mbostock/3885304

Work break down
Carolina: Website design, design aspects of the graph
Hyein: A few part of Design of graph
Karen: Wrote majority of the code, sorting of data