Alternative Fuel Station Dash (Potential Project #2)

**Team Name:** Car RamRod (Gabe/Noah/Ric/Mike)

**Resources:**

URL: Census Data.gov api tbd (looking to join household income and pop on zipcode)

URL: <https://data.colorado.gov/Energy/Alternative-Fuels-and-Electric-Vehicle-Charging-St/team-3ugz>

Potential New JS Library: <https://apexcharts.com/javascript-chart-demos/>

**Data Engineering:** Extract target rows from resources and join into single dataframe, load into database (TBD-SQL/NoSQL). Design flask app with single route to the most user friendly JSON we can design for visualization.

**Feature Engineering:** Get a filter based dash working then circle back around with Adrienne

* Leaflet Map - Primary Viz
  + Station Location – (leaflet marker…special icons if time)
  + Alt TileLayer shading on some income agg meas
  + Color Station Marker on Type (CNG/LPG/CPG/etc..)
  + Filter-able by City/FuelType/OwnerType/Income
* Bar/Bubble/Radar
  + Two or more of these to pad the dashboard with additional agg visualizations

Bar (4/12)

Bubble (4/12)

Radar (4/12)

UI Menu

(3/12)

Awesome Leaflet.JS Visual (9/12)

Header/Hero Banner (12/12)