**Group 4 Project Proposal**

**Group Member:**

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**Objective:**

1. Find a problem worth solving, analyzing, or visualizing.
2. Use machine learning (ML) with the technologies we’ve learned.
3. You must use Scikit-learn and/or another machine learning library.
4. Your project must be powered by a dataset with at least 100 records.
5. You must use at least two of the following

**Dataset Source.**

This dataset contains the latest information on car prices in Australia for the year **2023**. It covers various brands, models, types, and features of cars sold in the Australian market. It provides useful insights into the trends and factors influencing the car prices in Australia. The dataset includes information such as **brand, year, model, car/suv, title, used/new, transmission, engine, drive type, fuel type, fuel consumption, kilometres, colour (exterior/interior), location, cylinders in engine, body type, doors, seats, and price.**

The dataset has **over 16,000 records** of car listings from various online platforms in Australia

.<https://www.kaggle.com/datasets/nelgiriyewithana/australian-vehicle-prices/>

1. You must use at least two of the following

**Example of Final Product - Interactive Page**

**Brand: (dropdown menu)**

**Year: (dropdown menu)**

**Project GitHub repository:**

**Workflow**

* + - 1. Use the CSV file (Data1) to create SQLAlchemy to create our database.
      2. Populate in dataframe. Export to CSV. Full dataset.
      3. Send to SQLAlchemy to connect to Flask end point json
      4. Use Plotly for Interactive read endpoint and plot.