Team #3's Members: Shrey Rakesh Kevadia, Anthony Mingus, Fernando Abel Malca Luque, William Widjaja

Project Title: Used Car Prediction

Dataset Used:
https://www.kaggle.com/datasets/taeefnajib/used-car-price-prediction-dataset

- Contains detail about a car such as the model, milage and the price according to the condition
- Contains data on 4,009 cars
- Includes 12 car attributes (model year, accident history, fuel type, etc).

Task:

Developing a prediction model that predicts the estimated price of a used car based on the characteristics/attributes of that car.

Current Position In Our Project:

We planned out the idea for our model and found the dataset relevant to it. We're now planning on dividing our tasks evenly and managing our schedule for this project.

Plans:

- Cleaning and splitting the data into 70% training and 30% tests sets.
- Learning and exploring multiple neural network architectures to use in our project such as using MLP or CNN
- We will use references of internet articles where people made examples of a prediction model
    - https://medium.com/@batuhanodabas/how-to-make-machine-learning-predictions-step-by-step-dc6a70e3a801
    - https://medium.com/@kiprotich01/how-to-build-a-predictive-model-using-machine-learning-500be787127d

- Exploring the influence of different attributes that contribute most to the price of a user car
- Finding and modifying hyperparameters that will ensure the most optimal algorithm for our model
- Dividing our tasks evenly so everyone has a part in the project
- Making sure that we're able to update each other in a communication platform such as Discord to ensure efficiency
- Setting up a GitHub in order to have a set location to store/update our code