Car Prices - Predictive Modeling

1. Introduction

The goal of this model is to predict car prices based on features such as fuel type, mileage, condition, manufacture year, and more.

2. Data Preparation

- Select relevant features for prediction (e.g., manufacture year, mileage, engine size, fuel type, condition).
- Encode categorical variables:
  - Convert fuel type, gear type, and condition into numerical values.
- Scale numerical features (e.g., mileage, price) to improve model performance.
- Split the data into training (80%) and testing (20%) sets.