Linear Regression of Used Toyota Cars in UK

Data Description:

This data set was collected from kaggle.com website which contains information of price, transmission, mileage, fuel type, road tax, miles per gallon (mpg), and engine size of used Toyota cars in United Kingdom.

Data type: string, integer, float, and date time object.
Columns: {model, year, price, transmission, mileage, fuel type, road tax, mpg, engine size}
Data size: (6739 rows × 9 columns)

Problem Statement:

- Find which factor has the most effect on car price?
- Calculate the correlation of all features?
- Which factor has more impact on car price drop?

Tools:

- Python libraries such as pandas and BeautifulSoup
- Visualization: matplotlib, seaborn
- Sklearn model selection

Goal:

The goal of this project is to determine which factor has a strong effect on car price. In addition to that, applying a regression model on car cost to estimate the price based on mileage and engine size.