**Goal: For the given dataset, predict the Mileage of the car.**

**What is the Mileage of Car?**

The distance a vehicle can go with a given amount of fuel is referred to as mileage. A vehicle with good mileage or high fuel efficiency can travel a long distance with a small amount of fuel.

**Information about the data:**

* Data has 5 columns and 81 rows.
* Calculated counts of each entry from the respective feature.
* Calculated count of unique entries from the features.
* Data has not missing values.

**Visualization of Numerical Features:**

* Plotted distribution of continuous features.
* Plotted boxplot to get an idea about the outliers.

**Correlation Matrix & scatter diagram:**

* Plotted heatmap
* Plotted to scatter plot
* Data have collinearity problem

**Data Pre-processing:**

* Removed outliers & unnecessary columns.

**Splitting of Data:**

Data is split with a test size of 80%.

**Building of Repressor:**

1. By using LinearRegression object.
2. By using stastsmodels.

**How to handle the collinearity problem?**

1. Check P-value by creating the model. If P-value is significant, consider that feature for analysis.
2. Its P-value is not significant check the P-value for the individual feature.
3. Check the influence of the observations.
4. Check Variance Inflation Factor.