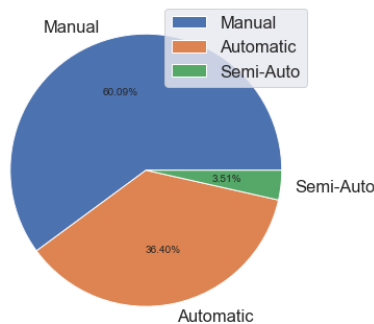
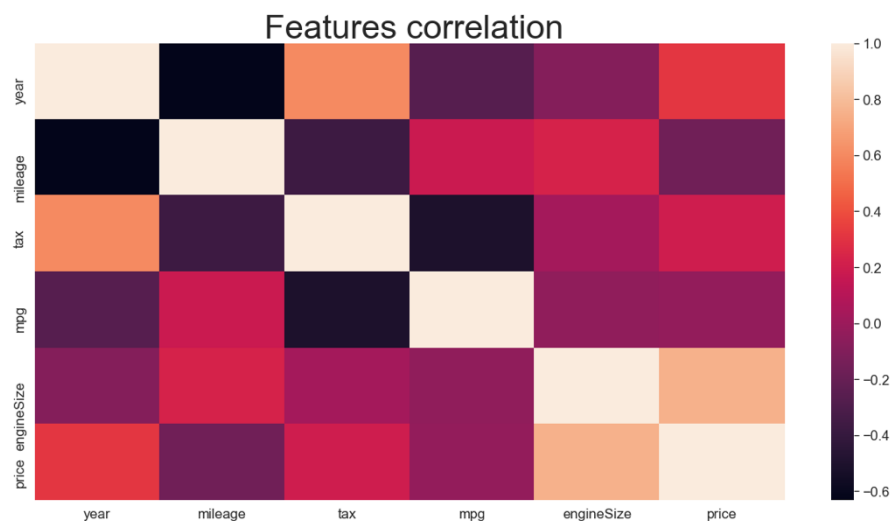


Linear Regression of Predicted Price of Used Cars in UK

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.



From exploratory data analysis process, we can see that much percentage of manual transmission was found on this dataset which nearly 60%. Followed by automatic and semi-auto transmission types (30%, 3.5% respectively). These types of cars are operated on either petrol, hybrid or diesel. However, when it comes to price, it is clear that hybrid cars are costing more than other operating fuel types which indicates that price is influenced by fuel type.



Feature correlation is the most important step to take in data analysis through calling `corr()` function from Pandas library. This function shows how x features as input are related to y target as an output. From this heatmap we can see that there is a strong positive relationship between engine size and price. Next step, we will apply a regression model to predict the price based on these features.