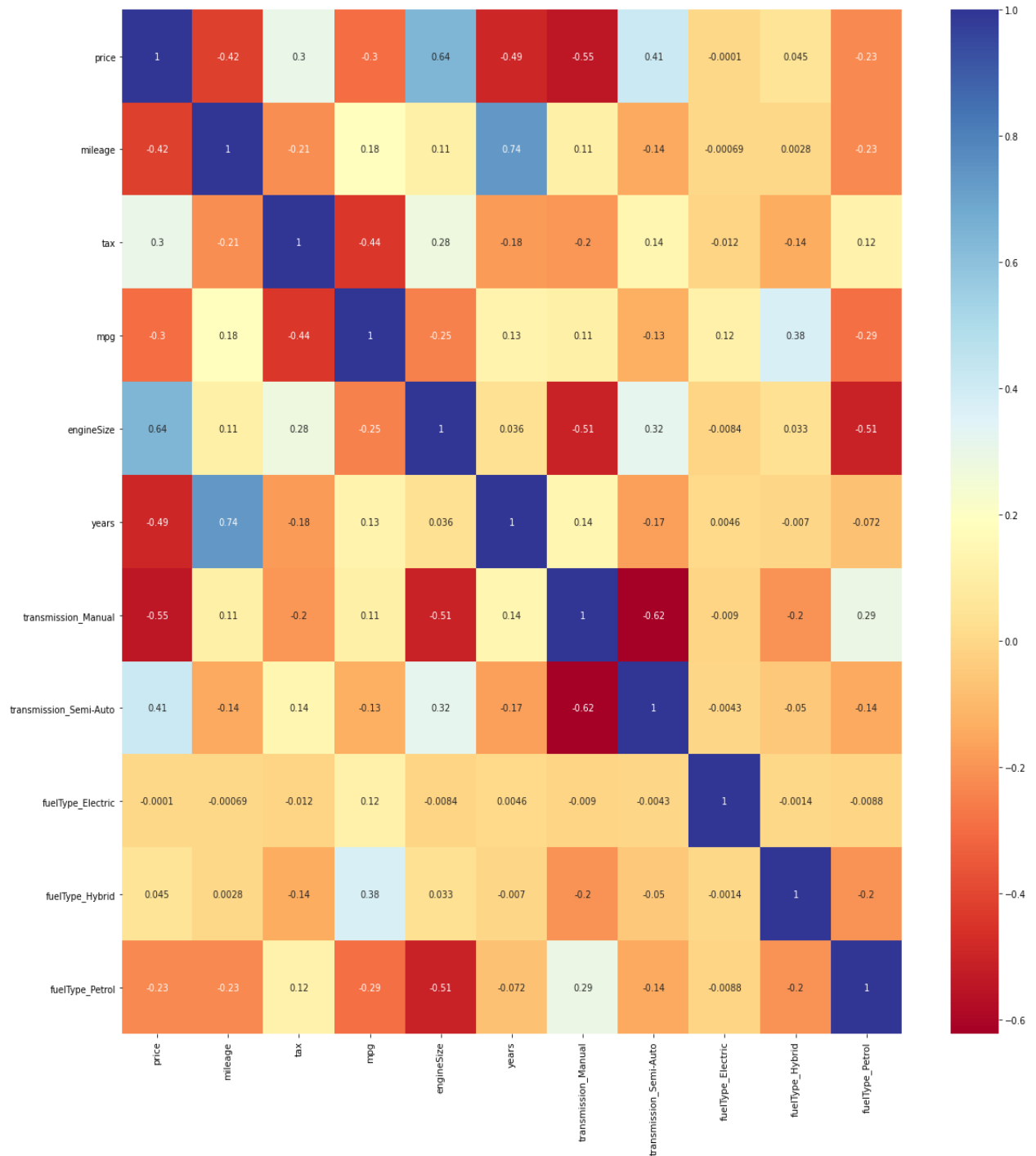


# Minimum Viable Product

## Analysis of Car Price Prediction:

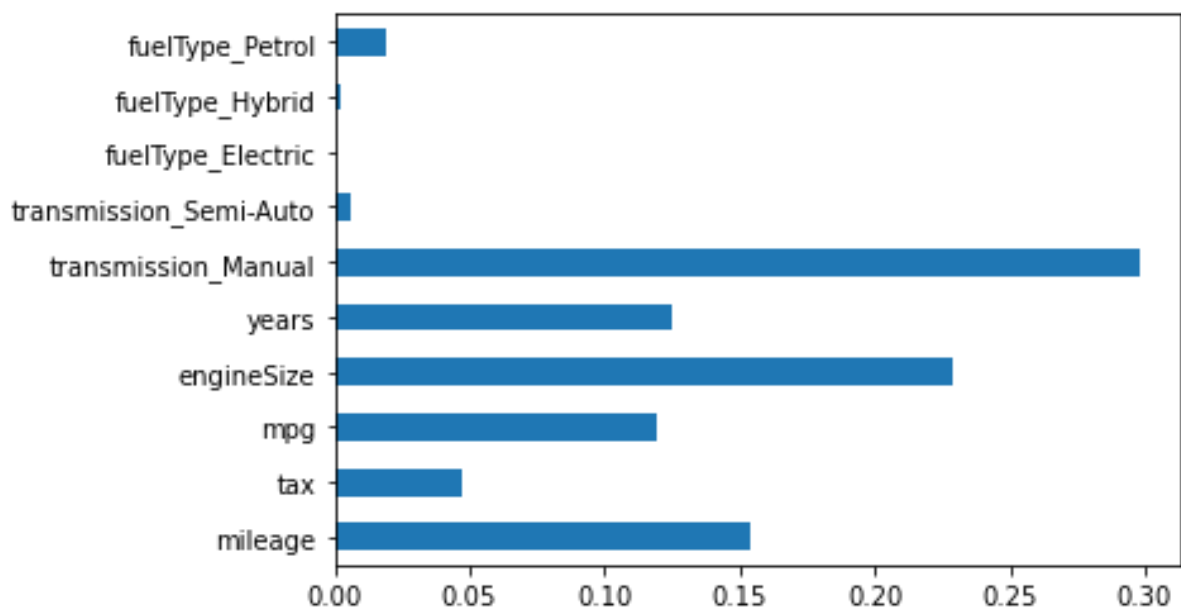
The main aim here is to understand the features on how they are correlated.

So we plotted the **Correlation Matrix**.



This matrix helps us in finding out how one feature is correlated to another using heatmap. The thick blue indicates that it is positively correlated that means increase in the value of one feature results in increment of the value of the corresponding feature and the red indicates that the features are negatively correlated that is increase in value of one feature corresponds to decrease in the value of the corresponding feature. The value ranges from -1 to +1.

I also used ExtraTreeRegressor to find feature importance's that is which feature is more contributing to the output target variable Price as shown below.



The above results suggest that the **Manual Transmission** shows the **most significant impact on our output**.