

Summary of Key Insights

Data cleaning

1. Missing values: there were some columns which has entire null values in the column, have removed the entire columns containing null values
2. Numerical & Categorical columns: created 2 new data sets from the data
3. Outliers: handled the outliers by capping method to improve data visualization
4. Duplicate values: no duplicate values found

Inference and Recommendations

Adbluelevel: Adbluelevel is having positive correlation to fuel level

Recommended: maintain fuel level it has positive correlation to adbluelevel which will decrease the emission

Engine torque percent: Engine torque percent is having negative correlation

Recommendation: maintain Engine torque percent for better engine health and for fuel economy

Speed: speed is affecting the fuel economy if the speed is more than then the fuel economy is good

Recommendation: maintain speed more than 60kmph

Coolant: coolant is useful to maintain the vehicle

recommendation: keep the coolant level more than 80 for for good vehicle condition & for best fuel economy.

RPM: high rpm is causing the fuel economy to drop

Recommendation: maintain rpm between 700 to 950

Engine load: fuel economy decreasing is decreasing when the engine load is high

Recommendation: maintain Engine load to get best fuel economy