

Fuel Consumption of Vehicles

Goal :

Find the Fuel Consumption of the vehicles based on the features

Working with the following steps:

❖ *Business Understanding*

- Explore & Write short notes on the dataset info & Business Problem.

❖ *Data Understanding*

- EDA, Visualization, Insights on Raw data, Qualitative and Quantitative analysis, class Imbalance.

❖ *Data Preprocessing*

- Missing values & Outliers treatment, Numerical and Categorical features transformation, feature-selection for modeling.

❖ *Data Validation*

- Selecting the Dependent and Independent variables and trying cross validation methods / train-test-split.

❖ *Modeling*

- Work on different Regression model to predict continuous outcome

❖ *Scoring should be :R squared and adjusted R squared*

❖ *Compare and select best model*

❖ *Insights on Total Analysis at the end*

❖ *Note :*

On each step of analysis make sure to write an insight within Yours IDE