

1. The attributes of the FuelConsumption dataset are as follows:

Input variables:

distance

speed

temp_outside

gas_type - (0 - Petrol, 1 - Diesel)

rain (0 - no, 1 - yes)

sun (0- no, 1 - yes)

Target Dependent variable :

Consume : Fuel Consumption

1. Tested a Linear regression on the dataset by exploring the relationship of consume with the all the other variables in the dataset. Performed random sampling to split the dataset with 80% set for Training set and 20% for test set.

2. Variables which are statistically significant: speed & tempoutside