



Data Collection and Preprocessing Phase

Date	9 July 2024
Team ID	739659
Project Title	Trip-Based Modelling of Fuel Consumption in Modern Fleet Vehicles Using Machine Learning
Maximum Marks	6 Marks

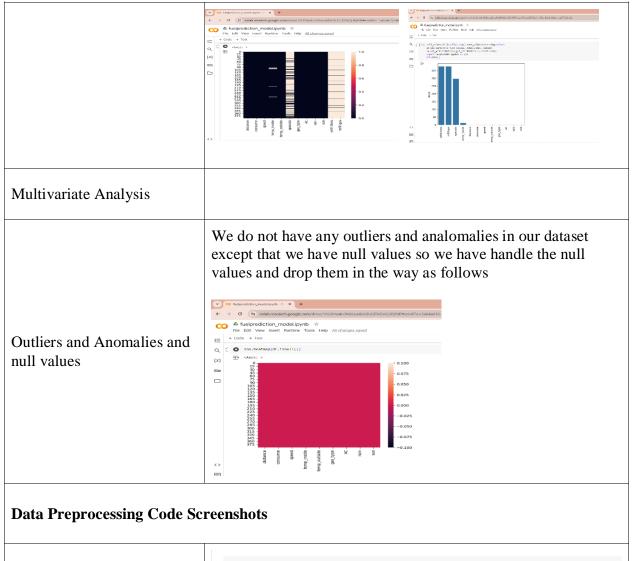
Data Exploration and Preprocessing Template

Identifies data sources, assesses quality issues like missing values and duplicates, and implements resolution plans to ensure accurate and reliable analysis.

Section	Description			
Data Overview	388 rows x 12 columns, dtypes: float64(4),int64(5),object(3) Co fuelprediction_model.ipynb fuelprediction_model.ipynb file Edit View Insert Runtime Tools Help Saving + Code + Text df.info() cclass 'pandas.core.frame.DataFrame' > RangeIndex: 388 entries, 0 to 387 Data columns (total z columns):			
Univariate Analysis	Exploration of individual of accuracy_score,mean_squared_error,r2_score,mean_absolute_error			
Bivariate Analysis	Relationships between two variables (correlation, scatter plots)			







	✓ 0s	[7]		= pd.rea int(df.he	d_csv('mea	asuremer	nts.csv')						
Loading Data		{}	0 1 2 3 4	28.0 12.0 11.2 12.9 18.5 rain su 0 0	4.2 5.5 3.9 4.5	26 30 38 36 46	temp_inside 21.5 21.5 21.5 21.5 21.5 21.5 refill gas E10 NaN NaN NaN	temp_outside 12 13 15 14 15	NaN NaN NaN	gas_type E10 E10 E10 E10 E10	AC 0 0 0 0 0	\	





