

DWARKADAS J. SANGHVI COLLEGE OF ENGINEERING



(Autonomous College Affiliated to the University of Mumbai) NAAC Accredited with "A" Grade (CGPA: 3.18)

Academic Year: 2022-2023

Name:	Prerna Sunil Jadhav
Sap Id:	60004220127
Class:	T. Y. B.Tech (Computer Engineering)
Course:	Data Mining and Warehouse Laboratory
Course Code:	DJ19CEL501
Experiment No.:	04

AIM: Implementation of Linear Regression for Single Variate and Multi-variate

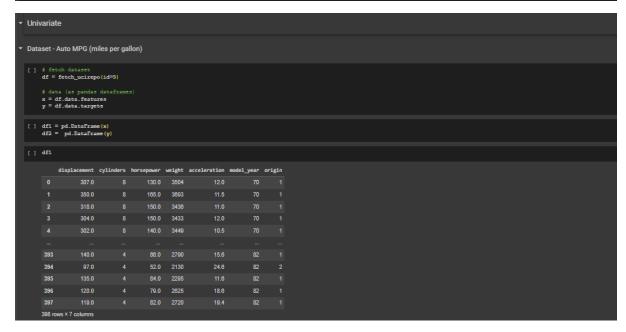
THEORY:

Linear regression predicts outcomes based on one variable in single-variate and multiple variables in multi-variate. It finds the best-fit line for the data to make predictions.

```
[] import numpy as np
import pandas as pd
import matplotlib.pyplot as plt
import seaborn as sns

from sklearn.datasets import fetch_california_housing
from sklearn.model_selection import train_test_split
from sklearn.inear_model import LinearRegression
from sklearn.metrics import mean_squared_error
from sklearn.metrics import accuracy_score,classification_report, r2_score

from ucimlrepo import fetch_ucirepo
```

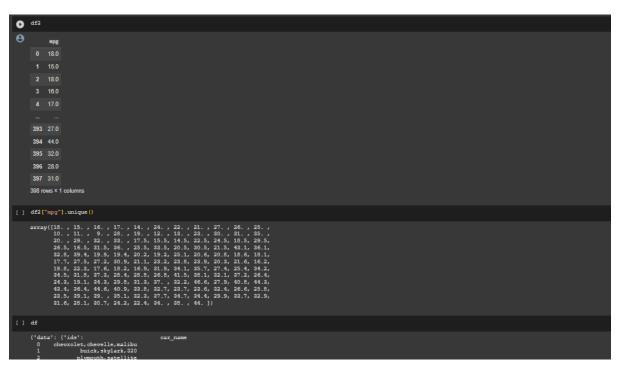


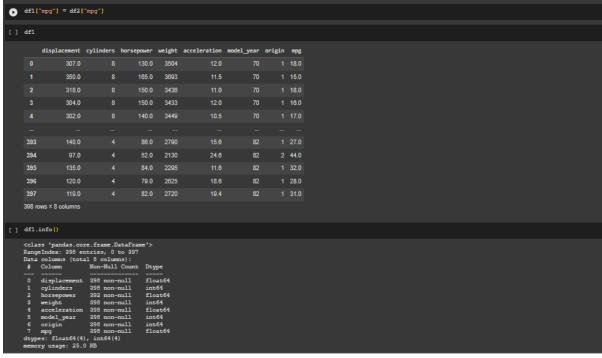


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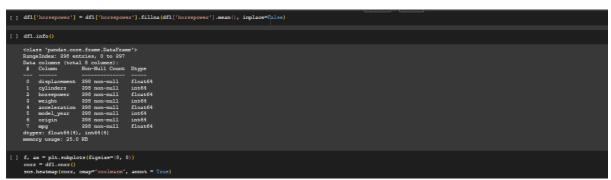


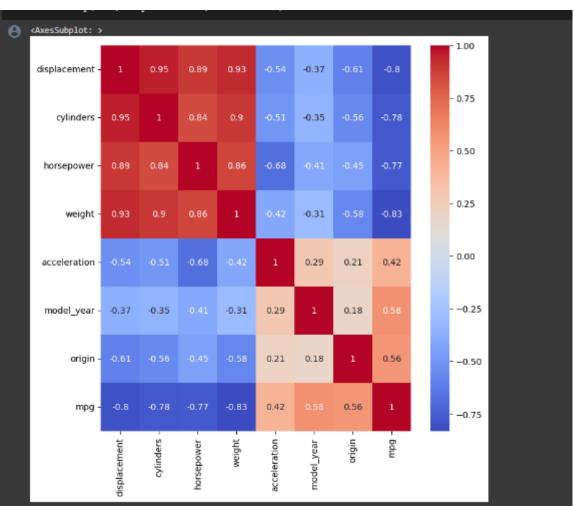


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