Machine learning using python

### By using pandas we import the csv files.

Import pandas as pd

Data=pd.read\_csv(“data.csv”)

### File should be in same folder where .py file running.

### To show up Null values in the table.

data[data.isnull().any(axis=1)]

data=data.dropna()

Machine Learning Models:

Linear Regression:

Linear regression is a widely used supervised machine learning algorithm that models the relationship between a dependent variable and one or more independent variables by fitting a linear equation to observed data. It is a form of regression analysis, which aims to predict continuous numeric values.

In linear regression, the goal is to find the best-fitting line or hyperplane that minimizes the difference between the predicted and actual values. The equation of a simple linear regression model can be represented as:

y = mx + b

Where:

* y is the dependent variable (the variable to be predicted)
* x is the independent variable (the variable used to make predictions)
* m is the slope or coefficient of the independent variable
* b is the y-intercept (the value of y when x is 0)