# Lab Scenario

The linear regression algorithm establishes a one-to-one relationship between the predictor (independent) and response (dependent) variables. It analyses the given continuous dataset to predict the output. The regression line is represented using the linear equation: ; here, Y is the output variable which is dependent on X.

In this lab, you will learn how to:

* Create a regression model and fit it using fit()
* Predict the value of response variable using predict()