# Lab Scenario

Polynomial regression is a type of linear regression which is applied when the power of an independent variable is more than 1. The polynomial regression equation for two variables is

Similarly, polynomial regression for multiple values can be evaluated as

Where, , , and.

In this lab, you will learn how to:

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