Module 5: Assignment 8 – Simple Linear Regression

Problem Statement:

You work in XYZ Corporation as a Machine Learning Engineer. After splitting the data into train and test sets, now the corporation wants you to train the simple linear regression model.

Tasks to be performed:

1. After splitting the data frame into train and test sets, build a simple linear model on top of the train set for the city_temperature data frame.

   a. For this model, take AvgTemperature as the independent variable and Month as the dependent variable.

2. After splitting the data frame into train and test sets, build a simple linear model on top of the train set for the Placement_Data_Full_Class data frame.

   a. For this model, take mba_p as the independent variable and etest_p as dependent variable.

3. After splitting the data frame into train and test sets, build a simple linear model on top of the train set for the Pharmacovigilance_audit_Data data frame.

   a. For this model, take DrugId as independent variable and Age as dependent variable.