HW 3 Simple Linear Regression

Importing Google Drive

Installing Process Mining for Python and Graphviz

Utilizing Numpy and Matplot for graph
Pandas utilized for analysis on data
Importing the dataset
Splitting the dataset to training and test values
Linear Regression is then implemented to training values
Test results are then predicted using the y predictor variable

```
[3] import numpy as np import matplottib.pyplot as plt import pandas as pd

[1] #Importing dataset

[4] dataset = pd.read_csv('/content/drive/Hy Drive/Process mining project/Salary_Data.csv')

[5] X_Axis = dataset.iloc[:,:-1].values

[7] #Splitting Dataset into the training set and test set

[8] from sklearn.model_selection import train_test_split

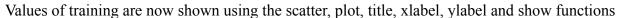
[8] X_training, X_test, y_training, y_test = train_test_split(X_Axis, Y_Axis, test_size = 1/3, random_state = 0)

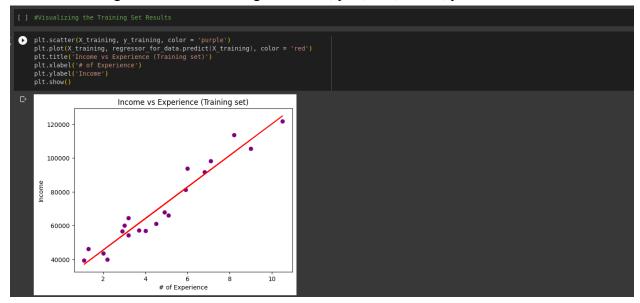
[9] #Training the Simple Linear Regression Hodel on the Training Set

[1] #Predicting Test Results

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```





Using the same functions we use test variables to visualize the dataset

