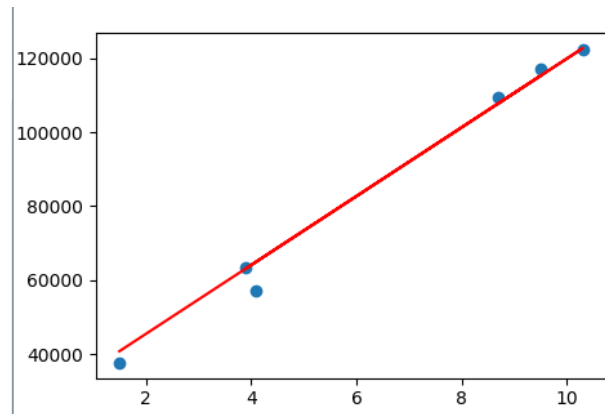


Class: CS 4267/01
Term: Spring 2020
Name: Sepehr Goshayeshi
Instructor: Dr. Aledhari
Assignment 1

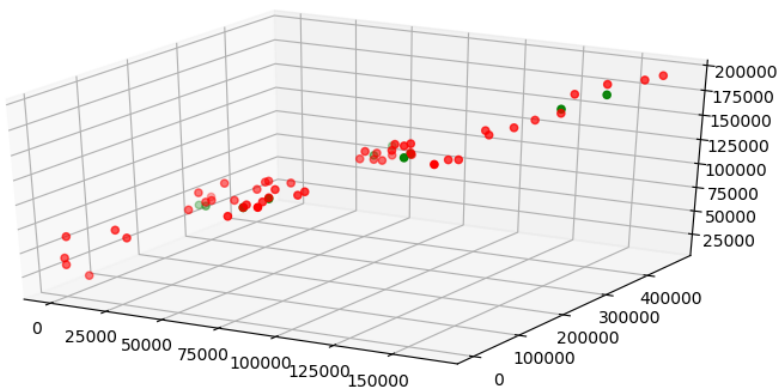
Simple Linear Regression Output

Regression coefficient: 0.9411949620562126
Mean Squared Error: 12823412.298126549



Multiple Linear Regression Output

Index(['Product_1', 'Product_2', 'Product_3', 'Location', 'Profit'], dtype='object')
Regression coefficient: 0.9496654854268443
Mean Squared Error: 67220275.37568116



Polynomial Regression

Index(['Position', 'Level', 'Salary'], dtype='object')
predicted salary for 6.5 level
175449.8106060609

