Project Description:

In this particular project, we are using a dataset that contains information like, experience, previous interview score, current salaries and using that to predict salaries of employees.

However, before you go ahead and make a prediction, it is advised that you first pre-process the data, since it may contain some irregularities and noise. In addition, try various tricks and techniques in order to gain the best accuracy in your predictions.

Column details:

1. experience- how much experience does the employee have
2. test_score(out of 10) - test score of the employee out of 10
3. interview_score(out of 10) – interview score of the employee out of 10

Part-1: data Exploration and Pre-processing

1) Load the given dataset
2) Fill Null value of experience column with the value 0
3) Replace the Null values of the column test score with mean value
4) Display a scatter plot between experience and Salary
5) Display a scatter plot between test score and Salary
6) Display a scatter plot between interview score and Salary
7) Display bar plot for experience

Part-2: Working with Model

1) Separate feature data from target data
2) Create a Linear regression model between Features and target data
3) Display the test score and training score
4) Extract slope and intercept value from the model
5) Display Mean Squared Error
6) Display Mean Absolute Error
7) Display Root mean Squared error
8) Display R2 score