Assignment-Regression Algorithm

Problem Statement or Requirement:

A client’s requirement is, he wants to predict the insurance charges based on

several parameters. The Client has provided the dataset of the same.

As a data scientist, you must develop a model which will predict the insurance

charges.

1.) Identify your problem statement

**Stage -1 Machine Learning, Stage 2 - Supervised Learning, 3 Regression since all outputs are numerical**

2.) Tell basic info about the dataset (Total number of rows, columns)

**Total no of rows:1338 columns: 6**

3.) Mention the pre-processing method if you’re doing any (like converting

string to number – nominal data)

**dataset=pd.get\_dummies(dataset) - Yes, here is the function**

4.) Develop a good model with r2\_score. You can use any machine learning

algorithm; you can create many models. Finally, you have to come up

with a final model.

**i have done various models get through which one is the correct model but none of models correct as per the final O/P 0 or 1**

**Nearby range in Random regression O/P - 0.89**

5.) All the research values (r2\_score of the models) should be documented.

(You can make tabulation or screenshot of the results.)



6.) Mention your final model, justify why u have chosen the same.

Kindly create Repository in the name Regression

Assignment.

**i have gone through all the models but nothing is to give a relevant o/P 0 or 1**

**Nearby range in Random regression O/P - 0.89**

Upload all the ipynb and final document in the pdf

Communication is important (How you are representing the

document.)