

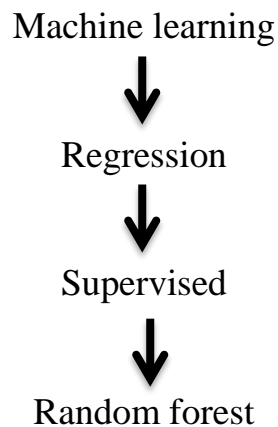
# Assignment-Regression Algorithm

## Problem Statement or Requirement:

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



- It is based on number prediction so machine learning
- It is numerical data type prediction so regression
- It required input and output is clear
- Random forest performance is better compare to all

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

The outcome of this assignment to predict the insurance chargers with some data set using AI

- Total no of rows 1338
- Total no of column 6 it contains person age , gender,bmi,children, smoker, charges

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

I chose the Random forest is final model because it has high r\_score value

For choosing best mode is based on r\_score value