REGRESSION ASSIGNMENT

1. **PROBLEM STATEMENT :**

**The problem statement here is to develop a AI model that can accurately predict the insurance charges based on several parameters using the given data base.**

1. **BASIC INFO ABOUT THE DATASET :**

**Number of rows : 1339**

**Number of columns : 6**

1. **PRE PROCCESSING METHOD :**

**Encoding categorical values**

**4.ALL MODELS WITH HIGH R\_SCORE :**

**MULTI LINEAR : 0.7865**

**SVM : 0.5950**

**DECI TREE : 0.7867**

**RAND FORE : 0.8716**

**5.RESEARCH VALUES :**

**All the research values are made as a document and uploaded in git hub under regression assignment repository**

**6.FINAL MODEL :**

**RANDOM FOREST (50, friedman\_mse, auto)**

**R\_score=0.8716**