**US health Insurance – Cost prediction**

**PROBLEM STATEMENT**

Medical Insurance company wants to develop an automatic system to predict the costs of the medical insurance of a person using some methods.

**Solution:** I need to build a ML system that can learn from the data and can predict the cost for insurance.

**Step1: Data collection/Gathering.**

**Step2: Data Analysis**

**Step3: Data pre-processing**

**Step4: Split train and test data**

**Step5: Linear Regression model**

**Step6: Trained linear regression model.**

**Step7: New data**

ML is built on top of statistics we create.

**Build a prediction model**

Random data from dataset is taken as **31,female,25.74,0,no,southeast**

Replacing female =1, no=1 and southeast=0 for input data.

Data predicted almost accurate.