\*\*Used Software:\*\*

Python 3.10.4 64-bit

\*\*Operating System:\*\*

Windows 10

\*\*Algorithm:\*\*

Decision Tree from sklearn. All default parameters except min\_sample\_leaf = 1 and min\_sample\_split = 100 (random state has been set to the seed value of 547998)

\*\*Prior processing of the dataset:\*\*

The bmi-feature included “N/A” values which were removed. The gender-feature contained string values which were label-encoded to 0 an 1 values. The marital state feature (“ever\_married”) was lable-encoded to 0 and 1 values. The work type, residence type and smoking status features were one-hot encoded.