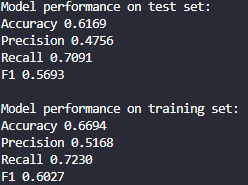
Baseline:

Features: 'BloodPressure', 'SkinThickness', 'Age'

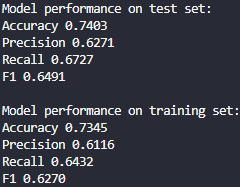
Tree Max\_depth = 2



Experiment 1:

Features: 'BloodPressure', 'Age', 'Insulin', 'Glucose'

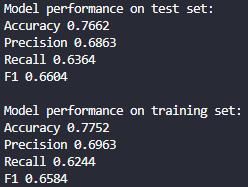
Tree Max\_depth = 2



Experiment 2:

Features: 'BloodPressure', 'Age', 'Insulin', 'Glucose', 'BMI'

Tree Max\_depth = 3



Experiment 2.5:

Features: 'BloodPressure', 'Age', 'Insulin', 'Glucose', 'BMI'

Tree Max\_depth = 3

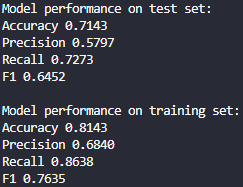
No change from 2.

Experiment 2.55:

Features: 'BloodPressure', 'Age', 'Insulin', 'Glucose', 'BMI'

Tree Max\_depth = 5

Model develops a bias when testing against the training set



Experiment 3:

Features: 'BloodPressure', 'Age', 'Insulin', 'Glucose', 'BMI', 'Pregnancies', 'SkinThickness', 'DiabetesPedigreeFunction' (ALL THE FEATURES)

Tree Max\_depth = none (use ccp\_alpha value= 0.008124)

Tried using ccp\_value instead of max\_depth

A screenshot of a computer

Description automatically generated