Decision trees

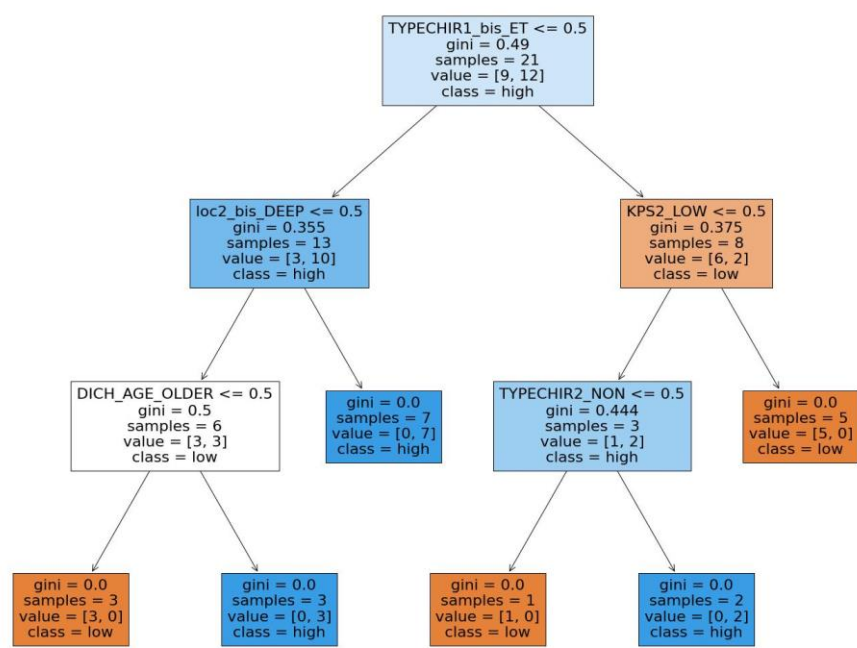*Figure 1Decision tree _ linear predictor _ PFS1 _ before model optimization*

METRICS

Confusion matrix	ACTUAL LINEAR PREDICTOR	
PREDICTED	TP : 8	FP : 3
LINEAR PREDICTOR	FN : 6	TN : 4

- Precision for HIGH class : 0.57
- Precision for LOW class : 0.57
- Accuracy : 0.57

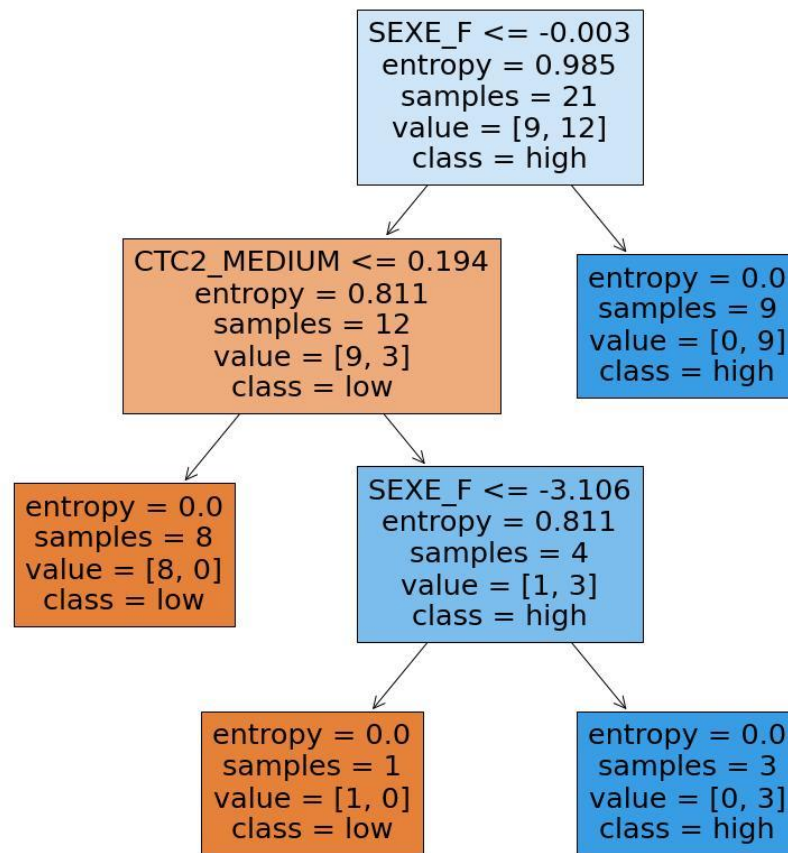*Figure 2Decision Tree _ Linear predictor _ PFS1 _ After Optimization*

METRICS

Confusion matrix	ACTUAL LINEAR PREDICTOR	
PREDICTED	TP : 8	FP : 3
LINEAR PREDICTOR	FN : 4	TN : 6

- Precision for HIGH class : 0.67
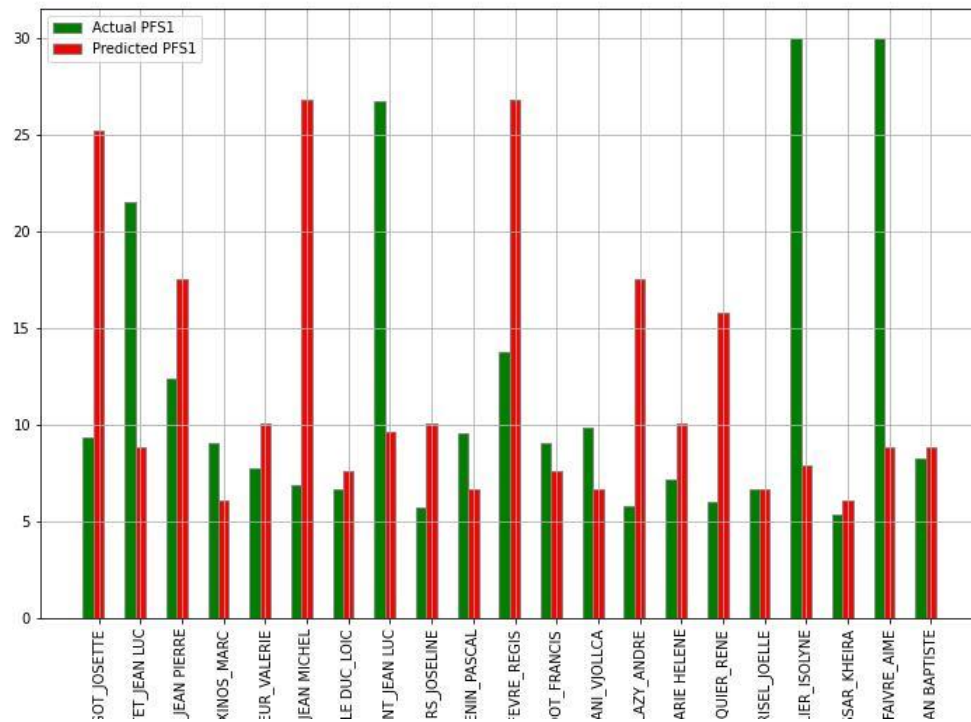- Precision for LOW class : 0.67
- Accuracy : 0.67

Figure 3 compare_ Actual and predicted PFS1 _ on testing data

- Mean Absolute Error: 8.146756236200483
- Mean Squared Error: 120.65232147955564
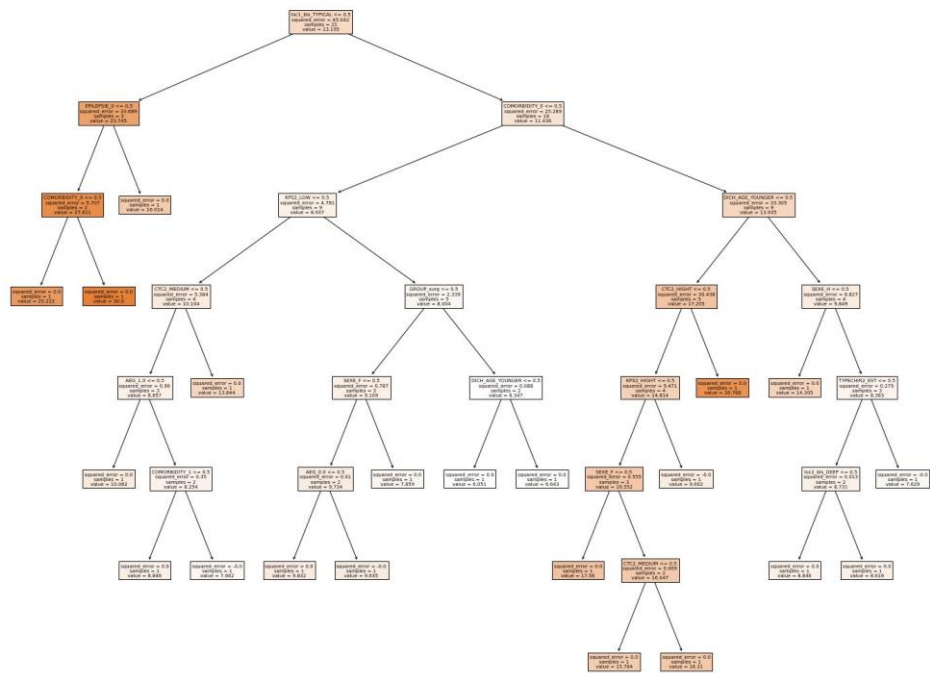- Root Mean Squared Error: 10.984185062149837

Figure 4 Decision Tree Regressor _ PFS1 _