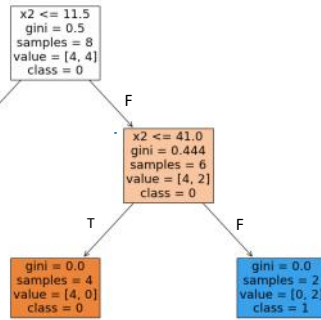
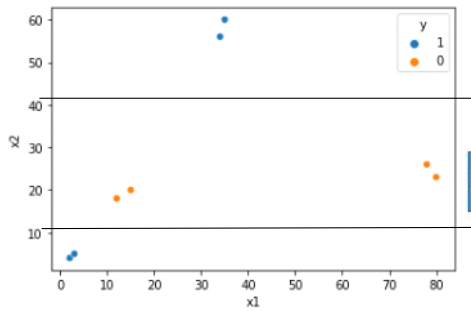
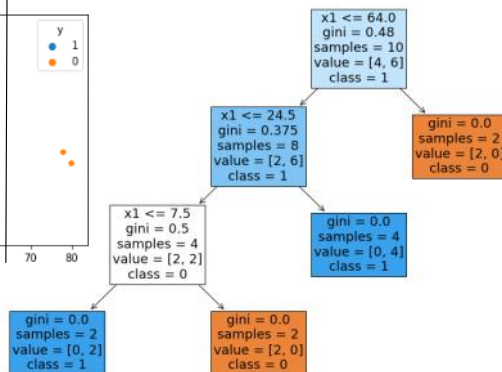
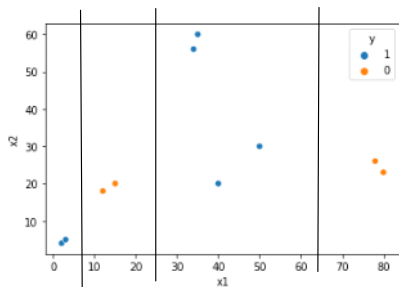


Trees

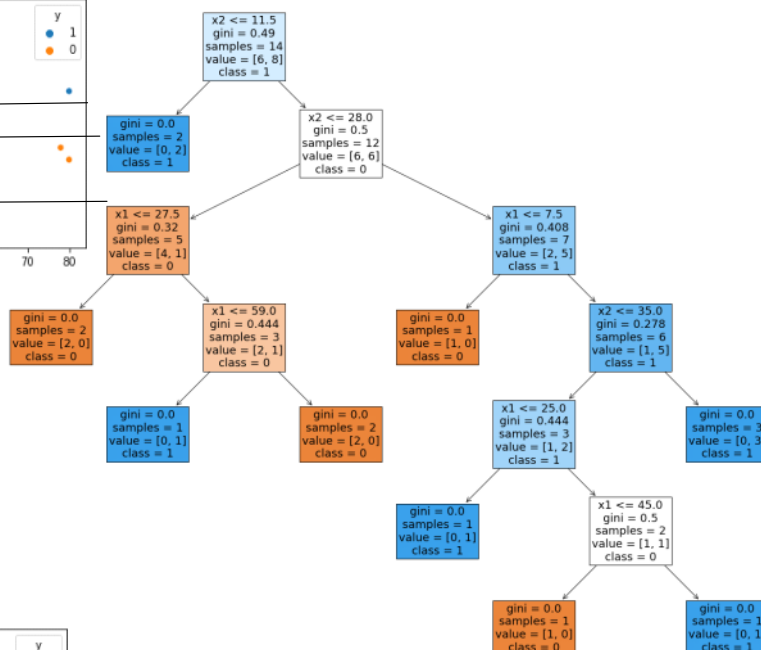
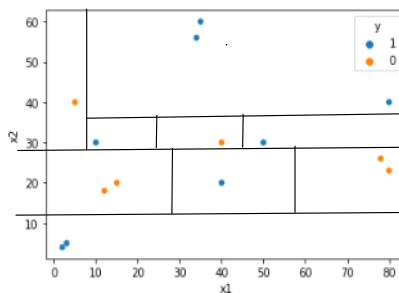
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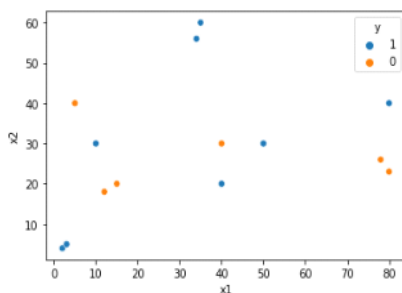
X1 = 40, X2 = 30 ==> 0
X1 = 30, X2 = 5 ==> 1

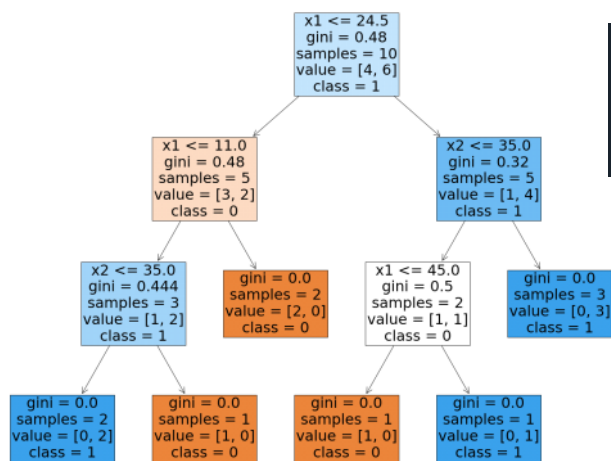
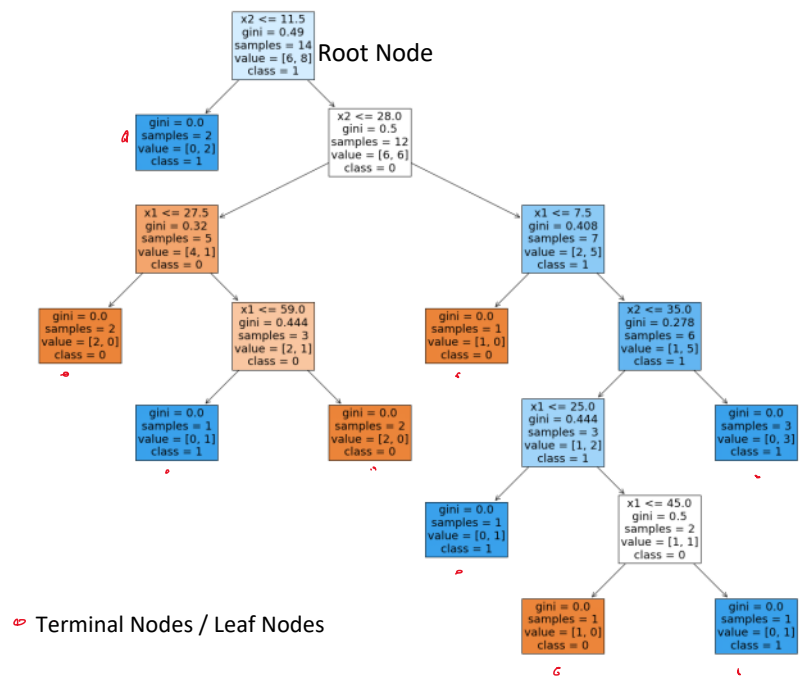


X1 = 40, X2 = 30 ==> 1
X1 = 30, X2 = 5 ==> 1



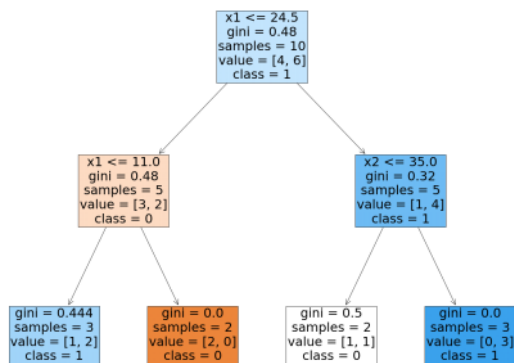
X1 = 40, X2 = 30 ==> 0
X1 = 30, X2 = 5 ==> 1





X test



x1	x2	y	P(y=0)	P(y=1)
78	26	1	0	1
40	20	0	1	0
3	5	1	0	1
80	23	1	0	1



X test

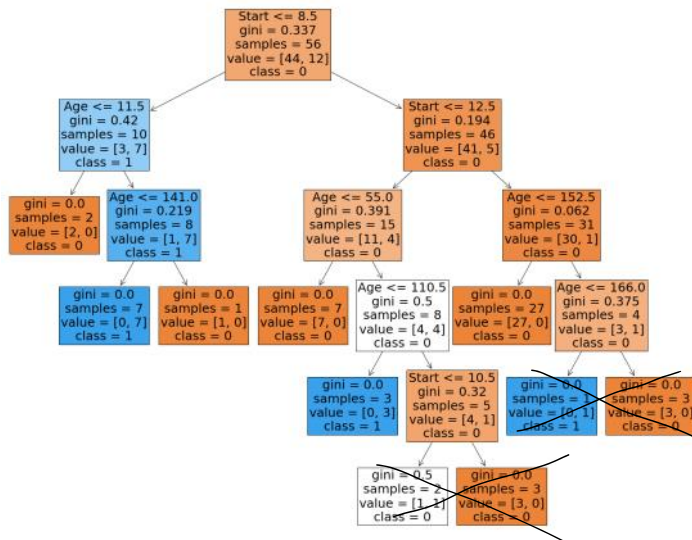
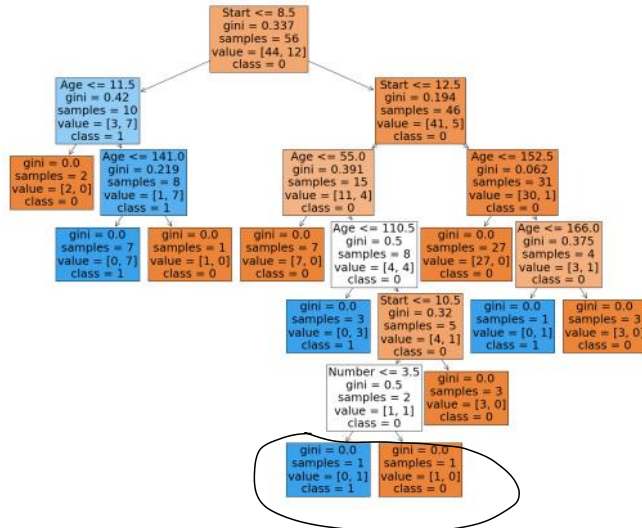
x1	x2	y	P(y=0)	P(y=1)
78	26	0	0.5	0.5
40	20	0	0.5	0.5
3	5	1	0.33	0.67
80	23	0	0.5	0.5

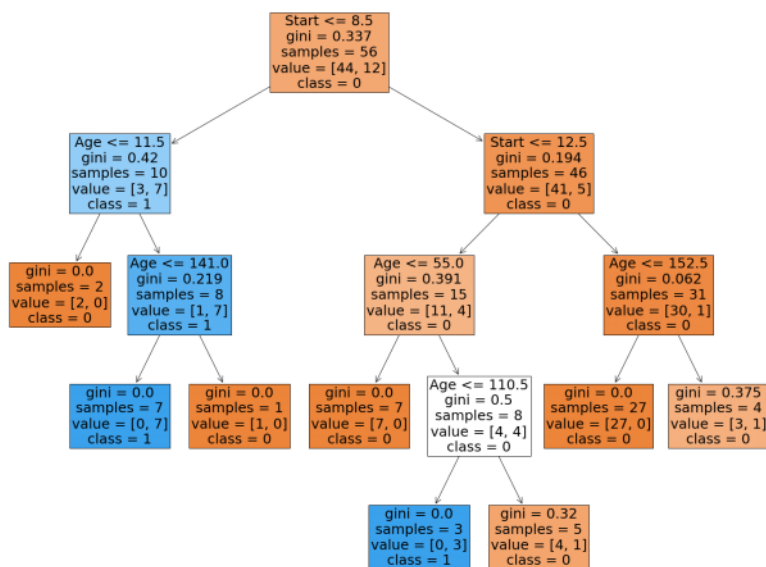
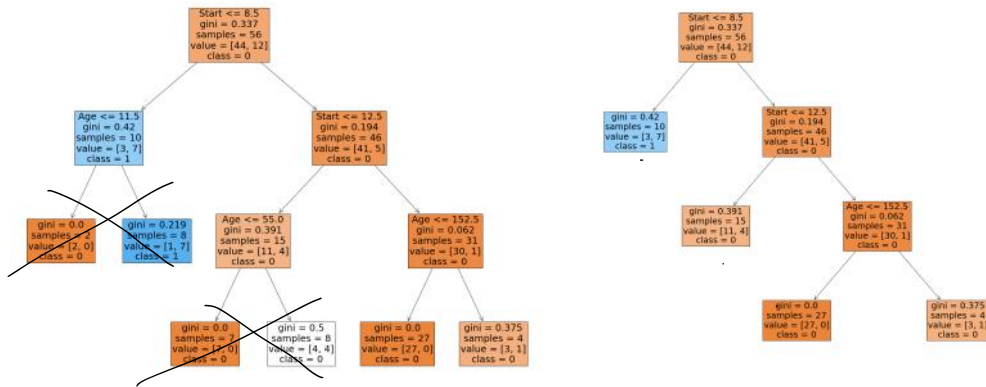
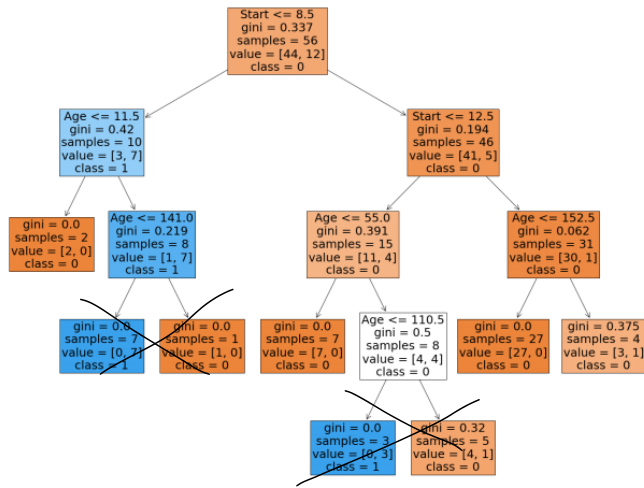
Tree	Accuracy	Remark
	0.25	Over-Fitting

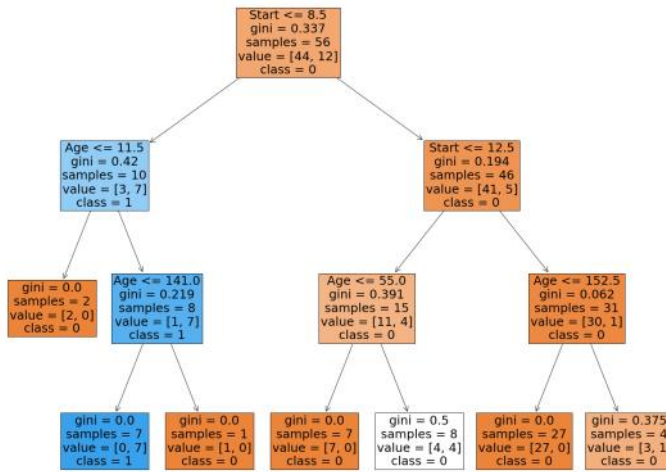
	0.75	Fitting
	0.25	Under-Fitting

min_samples_split : int or float, default=2

The minimum number of samples required to split an internal node:

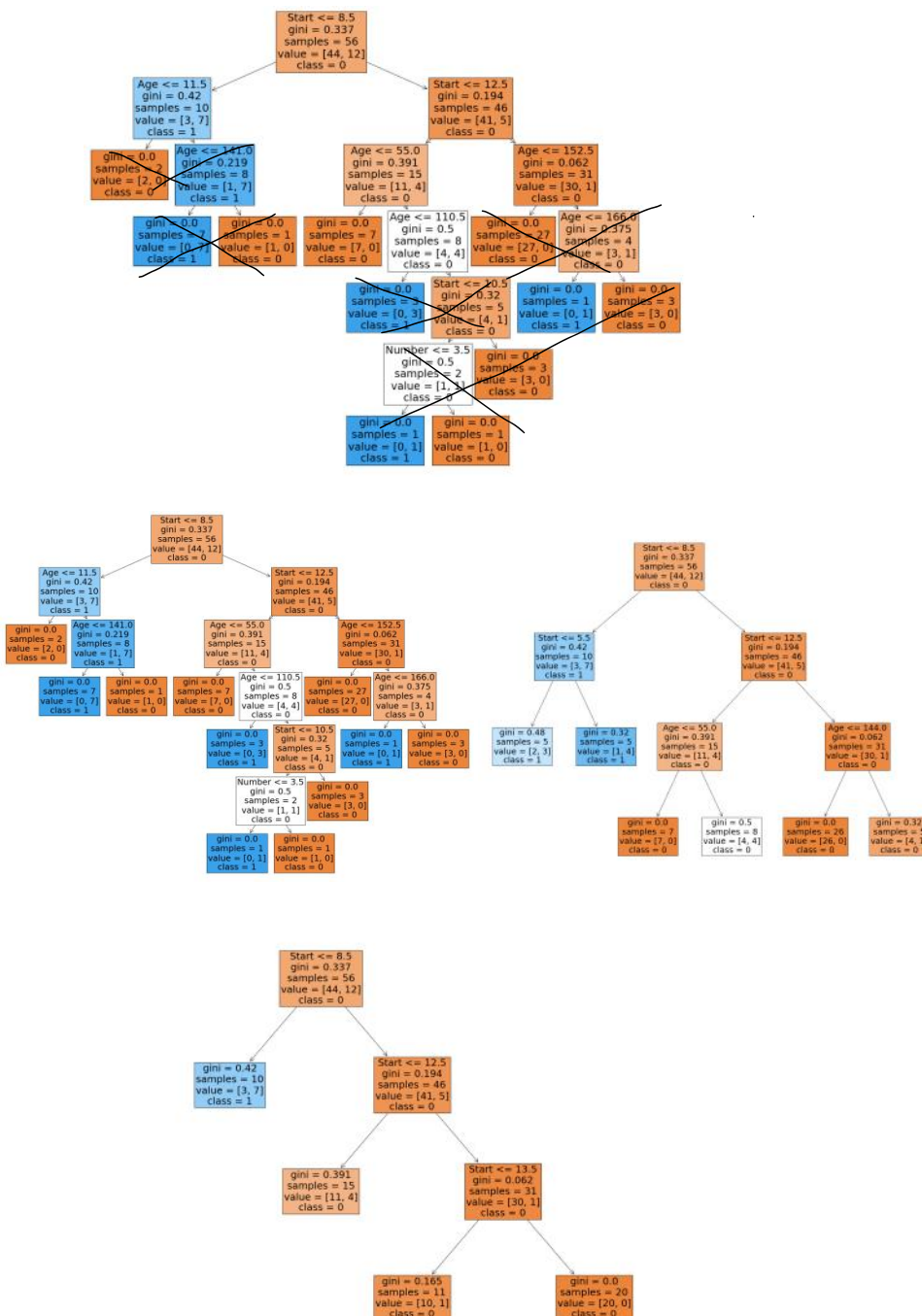




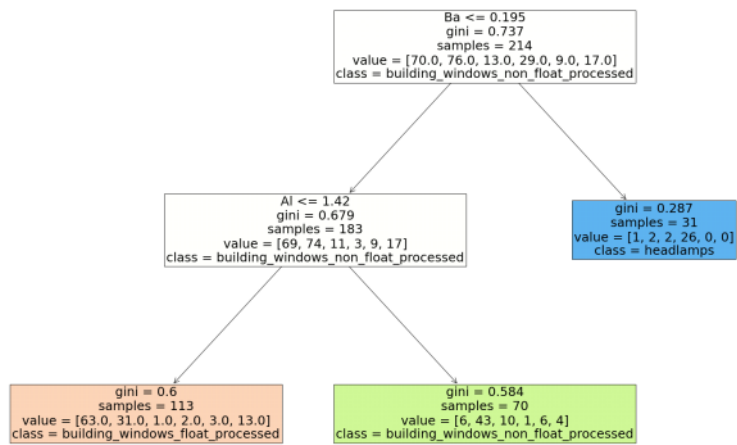


min_samples_leaf : int or float, default=1

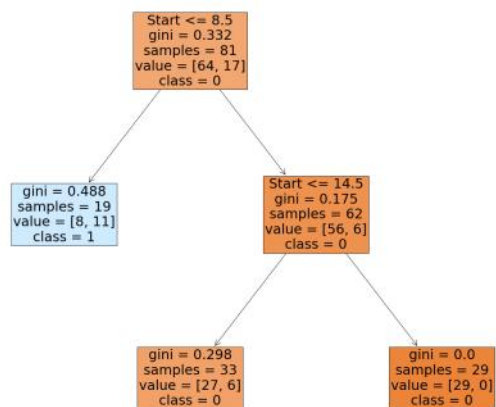
The minimum number of samples required to be at a leaf node.



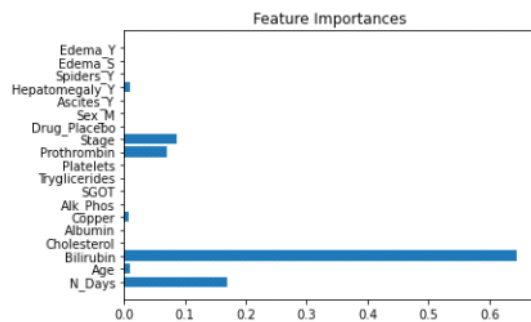
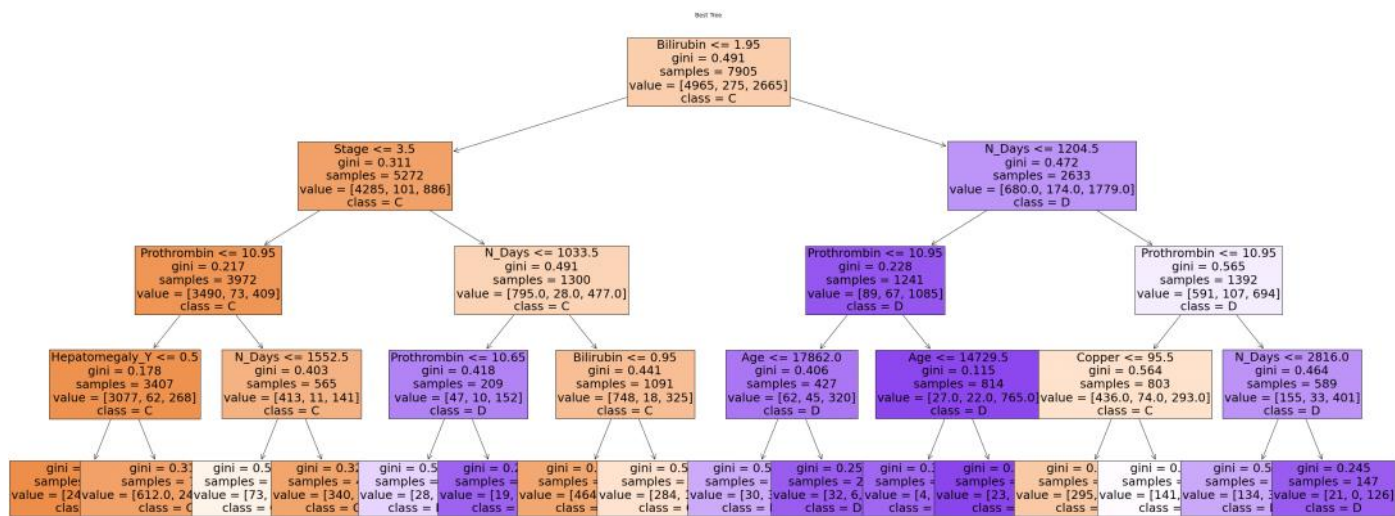
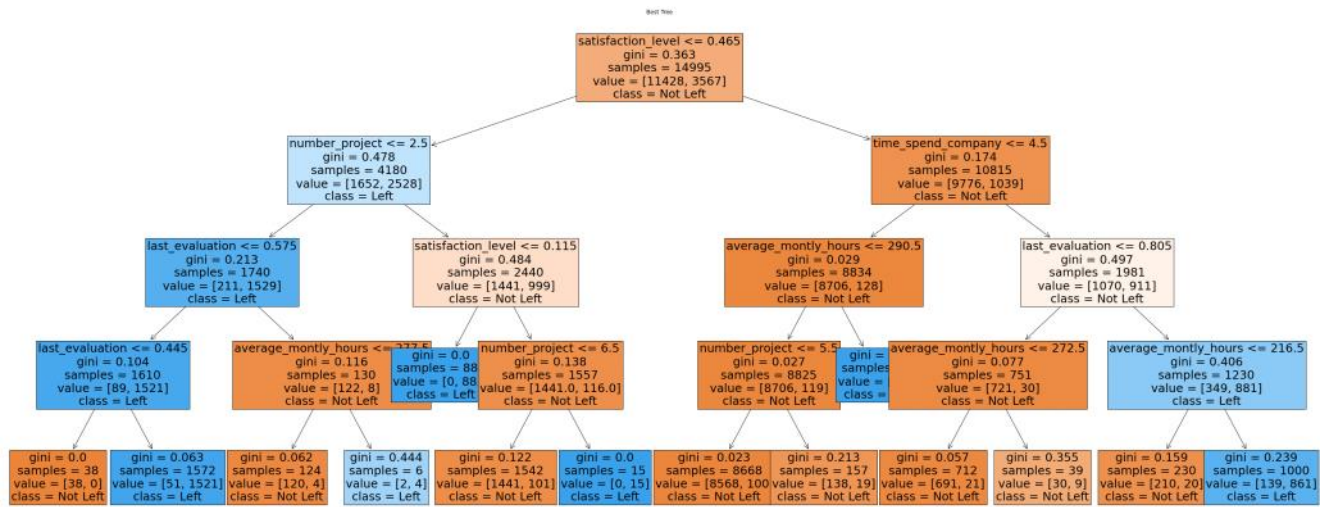
Best Tree

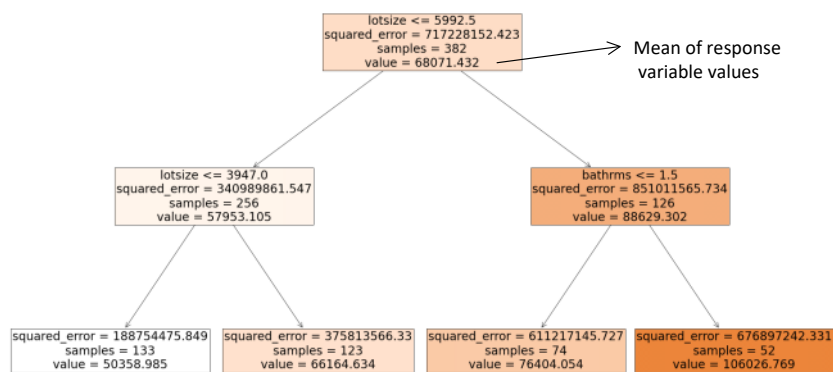


Best Tree



Variable Importance: The average reduction in impurity contributed by the variable





driveway_yes	1.0
recroom_yes	0.0
fullbase_yes	0.0
gashw_yes	0.0
airco_yes	0.0
prefarea_yes	0.0
lotsize	4500.0
bedrooms	2.0
bathrms	1.0
stories	1.0
garagepl	0.0

