

Decision Tree - Regression Model:

No.	Criterion	Splitter	Max_Feature	R2_Square
1	squared_error	best	None	0.9764
2	squared_error	random	None	0.881
3	squared_error	best	sqrt	0.221
4	squared_error	random	sqrt	0.689
5	squared_error	best	log2	0.578
6	squared_error	random	log2	0.132
7	absolute_error	best	None	0.964
8	absolute_error	random	None	0.968
9	absolute_error	best	sqrt	0.868
10	absolute_error	random	sqrt	0.424
11	absolute_error	best	log2	0.6206
12	absolute_error	random	log2	0.974
13	friedman_mse	best	sqrt	0.624
14	friedman_mse	random	-	0.96
15	friedman_mse	random	sqrt	0.611
16	friedman_mse	random	sqrt	0.565
17	friedman_mse	random	log2	0.856
18	friedman_mse	best	log2	0.948
19	friedman_mse	best	None	0.973
20	poisson	best	None	0.88
21	poisson	random	None	0.72
22	poisson	best	sqrt	0.44
23	poisson	random	sqrt	-0.59
24	poisson	best	log2	0.61
25	poisson	random	log2	-0.57

R2_square value is highest and near to 1 is for {Criterion: 'squared_error', Splitter='best', Max_Feature=None}

The value is **0.9764**