

Decision Tree R2 Values:

S.No	Criterion	Splitter	Max Features	R Score
1	squared_error	best	sqrt	0.243237
2	friedman_mse	best	sqrt	0.491512
3	absolute_error	best	sqrt	0.307365
4	poisson	best	sqrt	0.501832
5	squared_error	random	sqrt	0.861478
6	friedman_mse	random	sqrt	0.815181
7	absolute_error	random	sqrt	0.821813
8	poisson	random	sqrt	0.870031
9	squared_error	best	log2	-0.45039
10	friedman_mse	best	log2	0.734718
11	absolute_error	best	log2	0.773914
12	poisson	best	log2	0.442669
13	squared_error	random	log2	0.572099
14	friedman_mse	random	log2	0.43628
15	absolute_error	random	log2	0.297346
16	poisson	random	log2	0.701148

Decision Tree high performance with the hyper parameter(Criterion = poisson,Splitter = random,Max Features = sqrt) = 0.870031