

Assignment added max features - 06.05.2024

DECISION TREE

Creterion: squared_error, friedman_mse, absolute_error, poisson

Splitter: best ,random

Max_features: sqrt, log2

S.No	Creterion	Splitter	Max_features	R2 Score
1	squared_error	best	_	0.9189
2	friedman_mse	best	_	0.9008
3	absolute_error	best	_	0.9553
4	poisson	best	_	0.9170
5	squared_error	random	_	0.9129
6	friedman_mse	random	_	0.8837
7	absolute_error	random	_	0.5634
8	poisson	random	_	0.8286
9	squared_error	best	sqrt	0.6297
10	squared_error	best	log2	0.5064
11	squared_error	random	sqrt	0.1153
12	squared_error	random	log2	-0.0167
13	friedman_mse	best	sqrt	0.5083
14	friedman_mse	best	log2	0.5018
15	friedman_mse	random	sqrt	0.8939
16	friedman_mse	random	log2	0.6886
17	absolute_error	best	sqrt	0.8832
18	absolute_error	best	log2	0.064
19	absolute_error	random	sqrt	0.8542
20	absolute_error	random	log2	0.5887
21	poisson	best	sqrt	-0.688
22	poisson	best	log2	0.779
23	poisson	random	sqrt	-0.9613
24	poisson	random	log2	0.2767
Best model in decision tree is absolute_error,best				0.9553