Adaboost

Adaboos regression Algoithm

sl no	estimator	n estimator	Loss	random state	R score
1	None	50	Linear	1	0.863
2	None	50	Square	1	0.565
3	None	50	exponential	1	0.71

Gradient boosting regression Algorithm

	loss	criterion	max_features	random_state	Rscore
1	squared_error	friedman_mse	None	1	0.887
2	squared_error	friedman_mse	sqrt	1	0.888
3	squared_error	squared_error	sqrt	1	0.888
4	squared_error	friedman_mse	log2	1	0.888
5	squared_error	squared_error	log2	1	0.888
6	absolute_error	friedman_mse	sqrt	1	0.87
7	absolute_error	friedman_mse	None	1	0.865
8	absolute_error	squared_error	sqrt	1	0.87
9	absolute_error	friedman_mse	log2	1	0.87
10	absolute_error	squared_error	log2	1	0.87
11	huber	friedman_mse	None	1	0.891
12	huber	friedman_mse	sqrt	1	0.887
13	huber	squared_error	sqrt	1	0.887
14	huber	friedman_mse	log2	1	0.887
15	huber	squared_error	log2	1	0.887
16	quantile	friedman_mse	None	1	0.57
17	quantile	friedman_mse	sqrt	1	0.606
18	quantile	squared_error	sqrt	1	0.606
19	quantile	friedman_mse	log2	1	0.606
20	quantile	squared_error	log2	1	0.606

XG Boost Regression

	n_estimators	max_depth	eta	subsample	colsample_bytree
1	100	1	0.3	0	0
2	1000	10	0.01	1	1
3	1000	7	0.09	0.7	0.8
4	35	7	0.09	1	1
5	35	7	0.01	1	1

LG bosst regression Algorithm

Sl no	***boosting_type***	others	Rscore
1	gbdt	num_leaves=31, m	0.865
2	dart	num_leaves=31, m	0.874
3	rf	num_leaves=31, m	0.881

Finalized model		LG boost regression
	Reason :	Highest Rscore 0.881

Rscore
-9.76
0.8
0.8
0.864
0.849