

# HYPER TUNNING PARAMETER

## LG BOOSTING ALOGRTHIM:

### 1, LGBMRegressor (lightgbm)

Model Name : LGBMRegressor

R<sup>2</sup> Score : 0.86603193

### 2, Gradient Boosting Algorithm:

S.NO	N_ESTIMATOR	LOSS	CRITERION	RANDOM_STATE	R <sup>2</sup> SCORE
1	50	squared_error (default)	friedman_mse (default)	None (default)	0.89149140
2		absolute_error	friedman_mse (default)	None (default)	0.79551042
3		Huber	friedman_mse (default)	None (default)	0.89146407
4		Quantile	friedman_mse (default)	None (default)	0.59477137
5		squared_error (default)	squared_error	None (default)	0.89141140
6		absolute_error	squared_error	None (default)	0.80724745
7		Huber	squared_error	None (default)	0.89217608
8		Quantile	squared_error	None (default)	0.59489258
9		squared_error (default)	friedman_mse (default)	0	0.89149140
10		absolute_error	friedman_mse (default)	0	0.80980056
11		Huber	friedman_mse (default)	0	0.89217608
12		Quantile	friedman_mse (default)	0	0.59977943
13		squared_error (default)	squared_error	0	0.89149140
14		absolute_error	squared_error	0	0.80980056
15		Huber	squared_error	0	0.891439076

16		Quantile	squared_error	0	0.594881814
17	100	squared_error (default)	friedman_mse (default)	None (default)	0.883472480
18		absolute_error	friedman_mse (default)	None (default)	0.851941782
19		Huber	friedman_mse (default)	None (default)	0.891439076
20		Quantile	friedman_mse (default)	None (default)	0.628851995
21		squared_error (default)	squared_error	None (default)	0.883834766
22		absolute_error	squared_error	None (default)	0.831115435
23		Huber	squared_error	None (default)	0.891439076
24		Quantile	squared_error	None (default)	0.620293022
25		squared_error (default)	friedman_mse (default)	0	0.883397419
26		absolute_error	friedman_mse (default)	0	0.858801914
27		Huber	friedman_mse (default)	0	0.891439076
28		Quantile	friedman_mse (default)	0	0.628933023
29		squared_error (default)	squared_error	0	0.883397419
30		absolute_error	squared_error	0	0.858801914
31		Huber	squared_error	0	0.891439076
32		Quantile	squared_error	0	0.626681931

Model Name : Gradient Boosting Algorithm:

N\_Estimator : 50

Loss : friedman\_mse(default)

Criterion : Squared\_error

Random\_State : None

R<sup>2</sup> Score : 0.89146407