Boosting Algorithm Assignment

Sr.No.	Algorithm	Dataset	Standardisation	Playable Parameter	R_Score	
1	AdaBoost	insurance_pre.csv	No	random_state=0, n_estimators=100, loss='linear'	0.8447477	
2	AdaBoost	insurance_pre.csv	No	random_state=0, n_estimators=100, loss='linear'	0.4661498	
3	AdaBoost	insurance_pre.csv	No	random_state=0, n_estimators=100, loss='linear'	0.5385763	
4	LGBM	insurance_pre.csv	No	boosting_type='gbdt', num_leaves=31, max_depth=-1, learning_rate=0.1, n_estimators=100, subsample_for_bin=200000, objective=None, class_weight=None, min_split_gain=0.0, min_child_weight=0.001, min_child_samples=20, subsample=1.0, subsample_freq=0, colsample_bytree=1.0, reg_alpha=0.0, reg_lambda=0.0, random_state=None, n_jobs=None, importance_type='split'	0.8660319	
5	LGBM	insurance_pre.csv	No	loss='squared_error', max_features='sqrt'	0.8660319	
6	LGBM	insurance_pre.csv	No	loss='squared_error', max_features='log2'	0.8660319	
7	LGBM	insurance_pre.csv	No	loss='absolute_error', max_features='sqrt'	0.8660319	
8	LGBM	insurance_pre.csv	No	loss='absolute_error', max_features='log2'	0.8660319	
9	LGBM	insurance_pre.csv	No	loss='huber', max_features='sqrt'	0.8660319	
10	LGBM	insurance_pre.csv	No	loss='huber', max_features='log2'	0.8660319	
11	LGBM	insurance_pre.csv	No	loss='quantile', max_features='sqrt'	0.8660319	
12	LGBM	insurance_pre.csv	No	loss='quantile', max_features='log2'	0.8660319	
13	**XGBoost**	**insurance_pre.csv**	**No**	**objective = 'reg:linear', n_estimators = 10, seed = 123**	**0.8780523**	**Best Model**
14	XGBoost	insurance_pre.csv	No	n_estimators=1000, max_depth=7, eta=0.1, subsample=0.7, colsample_bytree=0.8	0.8188441	