Assignment - 06.05.2024

RANDOM FOREST

Creterion: squared_error, friedman_mse, absolute_error, poisson

Parameter: n_estimators

Max_features: sqrt, log2

S.No	Parameter	Creterion	Max_features	R2 Score
1		squared_error	*sqrt*	0.7797
2		squared_error	*log2*	0.8038
3		friedman_mse	*sqrt*	0.7995
4		friedman_mse	*log2*	0.7939
5		absolute_error	*sqrt*	0.7923
6		absolute_error	*log2*	0.7954
7		poisson	*sqrt*	0.7277
8		poisson	*log2*	0.7651
9	n_estimators=50	_	_	0.9446
10	n_estimators=80	_	_	0.9437
11	n_estimators=100	_	_	0.9460
Best model in Random forest is n_estimators=100				0.9460