

# HYPER TUNNING PARAMETER

RANDOM FOREST:

S.No	N_ESTIMATOR	CRITERION	MAX_FEATURE	RANDOM_STATE	R <sup>2</sup> SCORE
1	50	<i>squared_error (default)</i>	1.0(default)	None(default)	0.93371317
		<i>absolute_error</i>	1.0(default)	None(default)	0.939545531
		<i>friedman_mse</i>	1.0(default)	None(default)	0.93540417
		<i>poisson</i>	1.0(default)	None(default)	0.94079672
		<i>squared_error (default)</i>	sqrt	None(default)	0.83910885
		<i>absolute_error</i>	sqrt	None(default)	0.78758287
		<i>friedman_mse</i>	sqrt	None(default)	0.75261379
		<i>poisson</i>	sqrt	None(default)	0.724211936
		<i>squared_error (default)</i>	log2	None(default)	0.68667388
		<i>absolute_error</i>	log2	None(default)	0.87261556
		<i>friedman_mse</i>	log2	None(default)	0.8342699
		<i>poisson</i>	log2	None(default)	0.77775437
		<i>squared_error (default)</i>	None	None(default)	0.925372230
		<i>absolute_error</i>	None	None(default)	0.940797726
		<i>friedman_mse</i>	None	None(default)	0.934569121
		<i>poisson</i>	None	None(default)	0.93711479
		<i>squared_error (default)</i>	1.0(default)	0	0.944633639
		<i>absolute_error</i>	1.0(default)	0	0.940193524
		<i>friedman_mse</i>	1.0(default)	0	0.9388957628
		<i>poisson</i>	1.0(default)	0	0.94635497
		<i>squared_error (default)</i>	sqrt	0	0.6830022367
		<i>absolute_error</i>	sqrt	0	0.72223518
		<i>friedman_mse</i>	sqrt	0	0.688918213
		<i>poisson</i>	sqrt	0	0.72086246
		<i>squared_error (default)</i>	log2	0	0.683002236
		<i>absolute_error</i>	log2	0	0.72223518
		<i>friedman_mse</i>	log2	0	0.6889182
		<i>poisson</i>	log2	0	0.72086246

S.No	N_ESTIMATOR	CRITERION	MAX_FEATURE	RANDOM_SATATE	R <sup>2</sup> SCORE
	50	squared_error (default)	None	0	0.94463363
		absolute_error	None	0	0.94019352
		friedman_mse	None	0	0.938895762
		poisson	None	0	0.946354970

**Model:** Random Forest.

**N\_ESTIMATOR:**50

**Criterion:** *squared\_error (default)*

**MAX\_FEATURE:** None and 1.0(default)

**RANDOM\_SATATE:** 0

**R<sup>2</sup> Score:** 0.94463363