

MACHINE LEARNING REGRESSION

50_STARTUPS

DECISION TREE REGRESSION

The Decision Tree Regression best **R2-Score Vaule** = **(mean,auto,best)=(0.9517)**

Below the table using a all parameter Criterion, Max_Features and Splitter use R2-Score Value

S.No	CRITERION	MAX_FEATURES	SPLITTER	R2-SCORE
1	mse	auto	best	0.9312
2	mse	auto	random	0.7436
3	mse	sqrt	random	0.6765
4	mse	sqrt	best	0.4860
5	mse	log2	best	0.6745
6	mse	log2	random	0.7757
7	mae	auto	best	0.9517
8	mae	auto	random	0.8687
9	mae	sqrt	best	0.5621
10	mae	sqrt	random	0.6212
11	mae	log2	best	0.8545
12	mae	log2	random	0.4403
13	friedman_mse	auto	best	0.9173
14	friedman_mse	auto	random	0.8830
15	friedman_mse	sqrt	best	0.6007
16	friedman_mse	sqrt	random	0.5523
17	friedman_mse	log2	best	0.3866
18	friedman_mse	log2	random	0.6810

The Decision Tree Regression use **R2-Score Vaule** = **(mean,auto,best)=(0.9517)**