

To find the machine learning r2score value with hypertuning parameter

SVMR

Best R2 score value is 0.855

C is a penalty	<i>Poly</i>	<i>rbf</i>	<i>sigmoid</i>
10	-0.125	-0.112	-0.109
100	-0.09	-0.08	-0.0964
1000	0.211	-0.034	0.137
10000	0.82	0.237	0.855

Decision Tree

Best R2score is 0.908

criterion	Splitter	Max_Features	R2 Score
squared_error	best	sqrt	0.908
<i>squared_error</i>	random	sqrt	-0.714
<i>squared_error</i>	best	log2	0.740
<i>squared_error</i>	random	log2	0.516
<i>friedman_mse</i>	best	sqrt	0.485
<i>friedman_mse</i>	random	sqrt	0.424
<i>friedman_mse</i>	best	log2	0.717
<i>friedman_mse</i>	random	log2	0.870
<i>absolute_error</i>	best	sqrt	0.7477
<i>absolute_error</i>	random	sqrt	0.3814

<i>absolute_error</i>	best	log2	0.802
<i>absolute_error</i>	random	log2	-0.160
<i>poisson</i>	best	sqrt	0.773
<i>poisson</i>	random	sqrt	-0.745
<i>poisson</i>	best	log2	0.8240
<i>poisson</i>	random	log2	-0.490