

Support vector Machine:

After Preprocessing:

S.No	Hyper parameter C	Linear	Poly	Rbf	Sigmoid
1	C=None		-49195.76	-36240328.63	-36437445.74
2	C=10		-495.81	-3621938.5	-363515.349
3	C=100		-2.66515	-36009.96	- 3655.525
4	C=500		-0.10891	-1420.705	-49.93417
5	C=1000		-13.6569	-436.1327	-33.27217
6	C=2000		-2.48284	-102.82970	-5.6090
7	C=3000		-0.425666	-42.23283	-0.9993

Support vector Machine:

Before Preprocessing:

S.No	Hyper parameter C	Linear	Poly	Rbf	Sigmoid
1	C=None	0.87324	-49195.7636	-38108093.90	-3567109836.174
2	C=10	-0.130533	-495.811402	-380533.40	-35675016.6044
3	C=100	-1.294226	-2.665152	-4265.222	-357142.026
4	C=500		-0.10891869	-212.79804	-14355.376
5	C=1000	-1.426004	-0.11933045	-46.2277	-3610.6424
6	C=2000		-0.04388670426	-10.98	-913.574982
7	C=3000		0.00561	-4.6370393	-410.8931

Decision Tree Regressor:

s.no	criterion	splitter	Min sample Split	<i>Min impurity decrease</i>	<i>R value</i>
1	squared_error	Best	7	0.9	0.92261
2	squared_error	Random	9	0.9	0.88138
3	friedman_mse	Best	6	0.8	0.9227
4	friedman_mse	Random	8	0.8	0.8737283
5	friedman_mse	Random	6	0.5	0.902658
6	Absolute_error	Best	3	0.5	0.95083
7	Absolute_error	Random	4	0.5	0.919477
8	Poisson	Best	7	1	0.889497
9	Poisson	Best	2	0.7	0.92005
10	Poisson	Random	9	0.5	0.94795