Machine Learning Hyper Tunning Experiments

1. SVM Regression

Hyper Parameter	**Linear**	**RBF**	**Poly**	**Sigmoid**
0	**0.87**	-0.0573	-0.0508	-0.0575
100	-107.97	-0.030	0.465	-0.058
500		0.050	0.620	-0.064
1000		0.1606	0.640	-0.070
3000		0.395	0.691	-0.098
5000		0.503	0.766	-0.129

2. Decision Tree

Sl. No	Criterion	Max Features	Splitter	R Value
1	*squared_error*	None	*Best*	0.90
2	*squared_error*	None	random	0.82
3	friedman_mse	None	*Best*	0.92
4	friedman_mse	None	random	0.80
5	**absolute_error**	**None**	**Best**	**0.95**
6	absolute_error	None	Random	0.91
7	poisson	None	Best	0.92
8	poisson	None	Random	0.94
9	*squared_error*	sqrt	*Best*	0.725
10	*squared_error*	log2	random	0.672
11	friedman_mse	sqrt	*Best*	0.88
12	friedman_mse	log2	random	0.64
13	absolute_error	sqrt	Best	0.66
14	absolute_error	log2	Random	0.67
15	poisson	sqrt	Best	0.820
16	poisson	log2	Random	0.60