1.simple linear regression

r Score= 0.110696331

2.multiple linear regression

rscore= 0.789479035

3.support vector machine

SNO	HYPER PRAME	LINEAR(rva	RBF(non-li	Poly(r value)
1	c=10	0.4624684	-0.032273	0.0387162
	c=100	0.6288793	0.3200318	0.617957
	c=500	0.7631058	0.6642985	0.8263684
	c=1000	0.7649312	0.8102065	0.8263684
	c=2000	0.7440418	0.8547766	0.8605579
	c=3000	0.7414237	0.8663394	0.859893

4 **random forest**

r_score 0.849832932

5 **decision tree**

Sno	CRITERION	MAX FEATURES	SPLITTER	R VALUE
1	Friedman_mse	none	random	0.7088273
2	Friedman_mse	none	best	0.7007077
3	Friedman_mse	sqrt	random	0.6846565
4	Friedman_mse	sqrt	best	0.7445422
5	Friedman_mse	Log2	random	0.6846565
6	Friedman_mse	Log2	best	0.7077594
7	Squared_error	none	random	0.6433577
8	Squared_error	none	best	0.7066139
9	Squared_error	sqrt	random	0.7345793
10	Squared_error	sqrt	best	0.6928038
11	Squared_error	Log2	random	0.6404785
12	Squared_error	Log2	best	0.7490781
13	*absolute_error*	none	random	0.929177
14	*absolute_error*	none	best	0.9545447
15	*absolute_error*	sqrt	random	0.7134988
16	*absolute_error*	sqrt	best	0.7591813
17	*absolute_error*	Log2	random	0.6931616
18	*absolute_error*	Log2	best	0.8675764
19	poission	none	random	0.7059983
20	poission	none	best	0.7053184
21	poission	sqrt	random	0.6908146
22	poission	sqrt	best	0.5966071
23	poission	Log2	random	0.5782146
24	poission	Log2	best	0.755962973