1 MULTIPLE LINEAR REGRESSION : 0.9358

2 SUPPORT VECTOR MACHINE

S.No	HYPER PARAMETER	R value			
		LINEAR	RBF	POLY	SIGMOID
1	C10	-0.039644946781928798	-0.05680759285862336	-0.053667205127126608	-0.05471958332940319
2	C100	0.10646819600577351	-0.050726022781287 57	-0.019802139315272305	-0.030453514864306925
3	C500	0.592897727114574 6	-0.024323348197438532	0.11468480742657639	0.070572144896739 13
4	C1000	0.780283988215412 6	0.006768344480072 7965	0.266163709316469 15	0.185068619741608 04
5	C2000	0.876772168771603 9	0.067515542705530 17	0.481002815560656 7	0.397065286842721 35
6	C3000	0.895674469433491 6	0.123227566202275 82	0.637006422375403 4	0.591363020942610 6

3 **DECISION TREE**

S#	CRITERION	MAX FEATURES	SPLITTER	R VALUE
1	Squared error	Sqrt	Best	0.581742118094401 9
2	Squared error	Log2	Best	0.744980454323063 4
3	Squared error	None	Best	0.906514452200773 6
4	Squared error	None	Random	0.949762447719239 2
5	Squared error	Sqrt	Random	0.706255782356227 4
6	Squared error	Log2	Random	0.750512242142665 4
7	*friedman_mse*	Log2	Random	-0.12138038680881702

8	*friedman_mse*	Sqrt	Random	0.1600723875264216
9	*friedman_mse*	Sqrt	best	-0.16861684984462677
10	*friedman_mse*	Log2	best	0.5831945649698247
11	*friedman_mse*	None	best	0.9272698361055004
12	*friedman_mse*	None	Random	0.9335288613733013
13	*absolute_error*	None	random	0.7415637749300867
14	*absolute_error*	None	Best	0.9427654932844562
15	*absolute_error*	Sqrt	best	0.5995505549605871
16	*absolute_error*	Log2	Best	0.867827257224677
17	*absolute_error*	Log2	random	0.6494923103278887
18	*absolute_error*	Sqrt	random	0.38770075092973966
19	***Poisson***	Sqrt	random	0.6068550895985401
20	***Poisson***	Log2	Random	0.3454143680751919
21	***Poisson***	Log2	Best	0.5704015273891434
22	***Poisson***	None	Best	0.9305872232646296
23	***Poisson***	None	Random	0.880956706105726