Support Vector Machine - REGRESSION

R_ Score value = -0.05732

Standardised:

SI.No	HYPER PARAMETER	linear	rbf	Poly	sigmoid
1	**C=1.0**	-0.05741	-0.05741	-0.05710	-0.05721
2	**C=10.0**	-0.05680	-0.05680	-0.05472	-0.05472
3	**C=100.0**	0.10646	-0.05072	-0.03045	-0.03045
4	**C=500.0**	0.59289	-0.02432	0.11468	0.07057
5	**C=1000.0**	0.78028	0.00676	0.26616	0.18506
6	**C=2000.0**	0.87677	0.06751	0.48100	0.39706
7	**C=3000.0**	0.89567	0.12322	0.63700	0.59136
8	**C=4000**	0.89723	0.17238	0.73263	062823
9	**C=5000**	0.90037	0.21242	0.79365	0.73065
10	**C=10000**	0.92399	0.37189	0.81296	0.85353

SVM Regression using hyper tuning parameter with **C = 10000** in **Linear** has **0.92399 Highest Accuracy**.

SI.No

HYPER PARAMETER

LINEAR

rbf

Poly

sigmoid

1

-0.05569

-0.057418393

-0.05710

-0.05721

2

-0.03964

-0.056807592

-0.05367

-0.05472

3

0.10647

-0.050726022

-0.01980

-0.03045

4

0.59290

-0.024323348

0.114684

0.07057

5

0.78028

0.0067683444

0.266163

0.18507

6

0.87677

0.0675155427

0.481002

0.39707

7

0.89567

0.1232275662

0.637006

0.59136

SVM Regression using hyper tuning parameter with C = 3000 in Linear has 0.8956 Highest Accuracy.

C = 10

C = 1000

C = 100

C = 3000

C = 1

C = 2000

C = 500