

Support Vector Machine – Regression

Without Standardisation:

R_Score value = -0.05732

Standardised:

S.NO	HYPER PARAMETER	LINEAR	rbf	Poly	Sigmoid
1	C=1.0	-0.05569	-0.05741	-0.05710	-0.05721
2	C=10.0	-0.03964	-0.05680	-0.05366	-0.05472
3	C=100.0	0.10646	-0.05072	-0.01980	-0.03045
4	C=500.0	0.59289	-0.02432	0.114684	0.070572
5	C=1000.0	0.78028	0.006768	0.266163	0.185068
6	C=2000.0	0.87677	0.067515	0.481002	0.397065
7	C=3000.0	0.89567	0.123227	0.637006	0.591363
8	C=4000	0.89723	0.17238	0.73263	0.62823
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**.